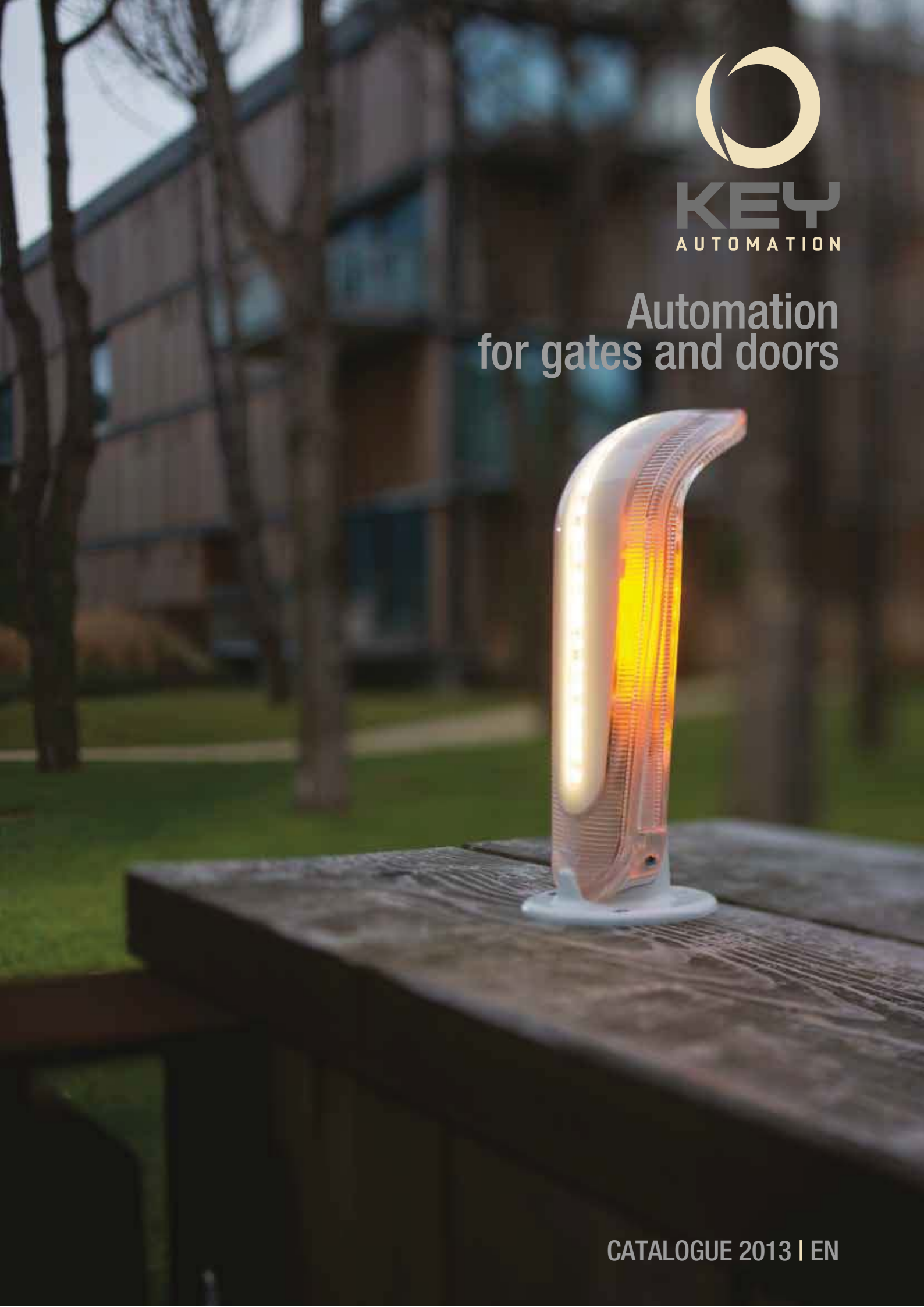
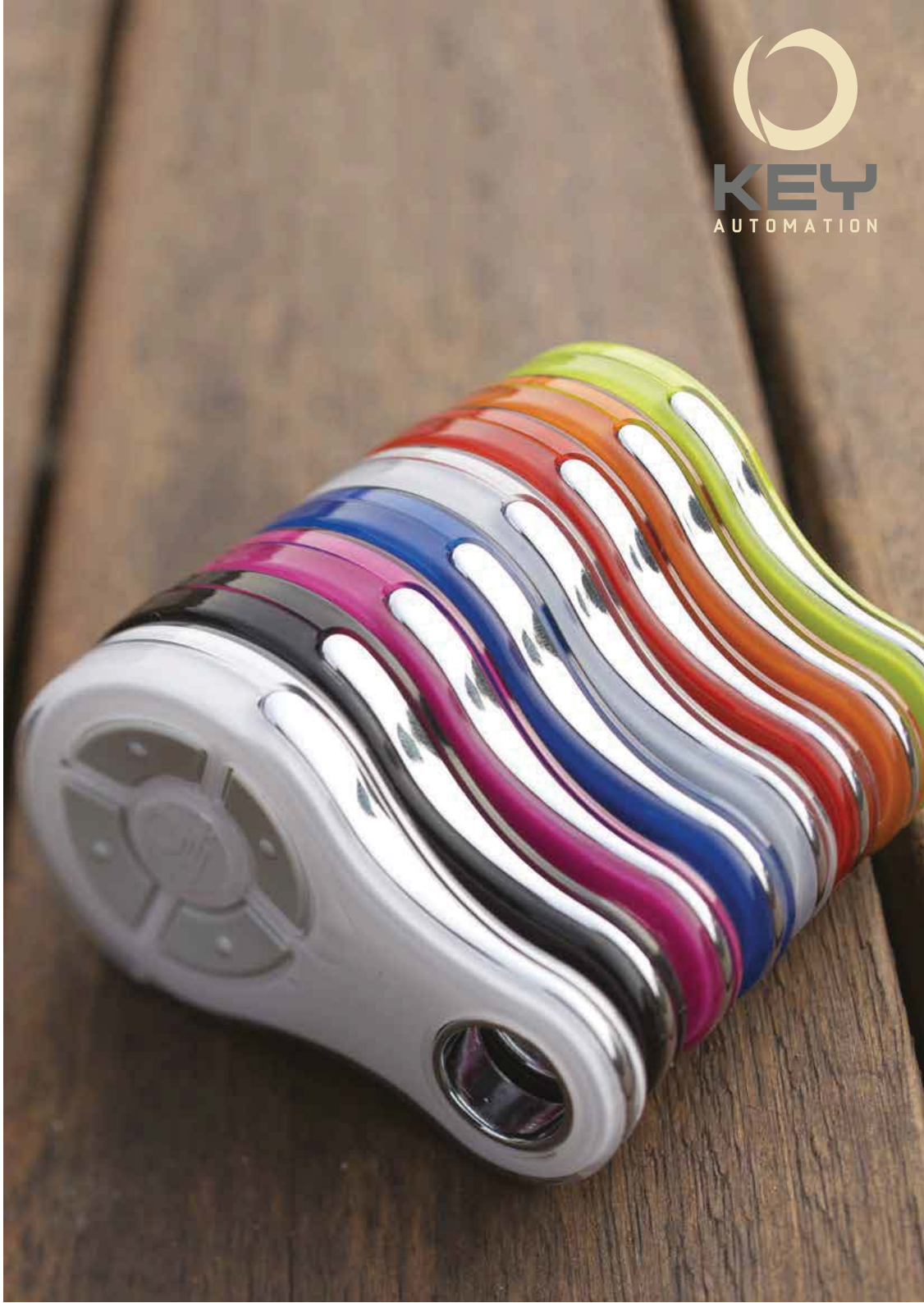
KEY
AUTOMATION

Automation for gates and doors



CATALOGUE 2013 | EN


KEY
AUTOMATION

Key Automation

Design and manufacture automation systems for gates and garage doors, road barriers and automatic doors

to make people and goods flow faster, more efficient and secure

conceived for residential, commercial and industrial use

simple and easy during installation and usage, designed for both installers and final users

> “we value the innovation throughout ideas, the research and use of new materials with aim to offer the best result for a wide range of applications”

outdoor

Key Automation
Italian Style

+ TECHNOLOGY
High technology solutions. Mechanical and electronic parts well protected from external agents. Large use of sturdy materials such as bronze, steel and aluminum worked through high precision mechanical processes

+ ELECTRONIC
Simple control boards to make programming faster with standard and intuitive user interface

+ DESIGN
Aluminum bodies with powder coating to resist to the hardest atmospheric agents. Smooth design conceived not in spite of force and robustness

Night Light System

Ray + Eclipse + 14A

The new system for gate automation with built-in LED lights integrated into the motor and the flashing light to light up your entrance during night hours indipendently from the gate activation

+ comfort

it defines the width of the passage during the night hours

+ elegance

it enhances the design and beauty of your gate

+ safety

it facilitates night vision even in the presence of cameras

Night Light System

ECLIPSE

flashing light and courtesy light to illuminate the entrance of your house, independently of the automation throughout the night

Thanks to the crepuscular sensor, Eclipse lights up in an intelligent and environmentally friendly way, reducing energy costs

Easy to install, both on horizontal surfaces and vertical walls for a total of 5 different positions, so as to make the direction of light customizable

14A

"one-for-all" is a new generation control unit designed and built to control all the 24V automations: gates, fences and garage doors, thanks to its modularity

You can choose and combine the different modules to suit your needs

Programming is carried out via a large display in your language

Compatible with home automation systems

RAY

electromechanical gear motor with a linear and revolutionary design

Made with technologically advanced materials, very resistant to weathering, such as the two powder coated die-cast aluminum bodies and the UV-resistant plastic

Easy to install thanks to the front and rear mounting brackets that remain on the line

Integrated led light for safely lighting up your entrances

Choose Night Light System because:

is

elegant

It represents the Italian style and design, combining elegance and technology with the use of last generation materials and leds

Ray and Eclipse enhance the gate of your home, thanks to the smooth and sinuous shapes, as well as the refined colors, giving a more personal aspect to your environment

economic

The use of leds allows lower power consumption compared to the use of traditional incandescent bulbs, providing a longer life cycle

The cost of Night Light System's energy consumption referred to the lights at night, is about 3 Euros per year*

ecologic

The built-in crepuscular sensor in the flashing light minimizes energy waste

With the integration of automation and lighting within a single product, the response time is drastically reduces and your entrance is lit up at no additional cost

efficient

Designed and manufactured in compliance with the requirements of the Italian quality

Night light system is efficient and reliable, because it is tested both for wear resistance and for mechanical and electronic components

Simple to install, easy to use and, above all, safe for the whole family

*Night Light System: it consists of three full power lights continuously lit for 12 hours a day, every day of the year, at a cost of energy equal to 0.2073 Euros/kW (average cost of 1 kW/h in Italy, year 2012)

Key Automation
News 2013

RAY
Electromechanical gear motor for swing gates with leaves up to 2,5 m, 24 Vdc
Pag. 18

TURBO 50
Electromechanical irreversible gear motor for sliding gates up to 400 kg 24 Vdc. Intensive use
Pag. 42

ST-1200
Motor support bracket L=1200 mm
Pag. 83

PA012MW
Microwave bidirectional sensor
Pag. 101

PA014S
Photocells kit with electronic board
Pag. 101

CT102
230 Vac Control Unit
Pag. 108

UNDER
Underground electromechanical gear motor for swing gates with leaves up to 3 m, 24 Vdc and 230 Vac with 10 m cable length
Pag. 30

AST8
Round telescopic aluminum boom. L=8500 mm Ø 60/90 mm with counter-weight, joints and fixed support
Pag. 63

EASY
Digital pad with graphic display 128x64 pixel for automatic doors
Pag. 100

PA025CT
Active infrared radar sensor
Pag. 101

14A
New generation control unit to control all automations
Pag. 106

CT202
230 Vac Control Unit
Pag. 109

CT-1EB
230 Vac Control Unit
Pag. 111

CT400
400 Vac Control Unit
Pag. 112

CT401
400 Vac Control Unit with control buttons
Pag. 112

SUB
Colored transmitters in packs of 10 pcs
Pag. 117

RXI23
2 channels plug-in receiver, fix code or rolling code for control boards 824S e 724S
Pag. 118

RXM23
2 channels universal receiver, external, fix code or rolling code
Pag. 118

RX4
4 channels plug-in receiver, fix code or rolling code, for control boards CT102, CT202 e 14A
Pag. 119

RX2H
Miniaturized control unit for lighting systems, awnings and rolling shutters
Pag. 119

SEKUR FT
Photocells for external use
Pag. 121

SEKUR CH
Aluminum posts for photocells
Pag. 122

SEKUR D/T
Digital key pad and keyboards
Pag. 124

ECLIPSE
Led flashing and courtesy light
Pag. 126

SEKUR CO-W
Radio safety edge system and resistive 8,2 KΩ
Pag. 129

KEYGates, KEYDoors & KEYAccessories

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Systems for sliding gates 38
Electromechanical barriers 60

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KEYGates

Systems for swing gates

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Star 500 24
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Mewa 28
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Kit 24 Vdc 32
Kit 230 Vac 35

Systems for sliding gates

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Turbo 50 42
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Kit 230 Vac 58

Elechtromechanical barriers

Alt 4KP / 6KP 62
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keyhome

Installations

- **RAY**
  WITH LEAVES UP TO 2,5 m
  RAY KIT
  - intensive use
    - **RAY2524**
    - **RAY2524E**

- **STAR 200**
  WITH LEAVES UP TO 2 m
  STAR KIT
  - intensive use
    - **PS-200**

- **STAR 300**
  WITH LEAVES UP TO 3 m
  STAR KIT
  - normal use
    - **PS-300FA**
    - **PS-300FA-R**

- **STAR 500**
  WITH LEAVES UP TO 5 m
  STAR KIT
  - normal use
    - **PS-400FA**
    - **PS-400FA-R**
  - intensive use
    - **PS400-24FA**

- **MEWA 2**
  GEAR MOTOR WITH ARTICULATED ARMS FOR SWING GATES WITH LEAVES UP TO 2 m
  MEWA KIT 2
  - intensive use
    - **SN-21**
    - **SN-21CS**

- **MEWA**
  GEAR MOTOR WITH ARTICULATED ARMS FOR SWING GATES WITH LEAVES UP TO 4 m
  MEWA KIT
  - normal use
    - **SN-50**
  - intensive use
    - **SN-50-24**

- **UNDER**
  UNDERGROUND GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 3 m
  UNDER KIT
  - normal use
    - **INT**
    - **INT10**
  - intensive use
    - **INT-24**

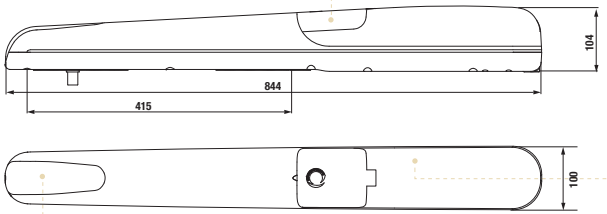
STANDARD INSTALLATION
1 Post for photocells
2 Automation electromechanical
3 Photocell detectors
4 Flashing light
5 Key switch
6 Radio transmitter

RAY

ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 2,5 m, 24 Vdc

PLUS

- NEW Built in LED light in the frontal part of motor body to light up gate entrance and define width of the passage at night
- High technological materials resistant to weather conditions
- Extremely silent mechanics protected by robust die-casted and power-coated aluminum body
- UV-resistant plastic covers
- Alligned front and rear mounting brackets to ease motors installation
- Manual unlock possible with Sub transmitter.
  Easy and very user friendly



Possibility to unlock motor with transmitter

Stylish design screwless at sight

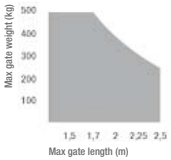
Built-in LED light mask

CODE	DESCRIPTION	PCS PALLET
24 V RAY2524	Electromechanical for swing gates with maximum length 2,5 m and weight 250 kg	25
24 V RAY2524E	Electromechanical for swing gates with maximum length 2,5 m and weight 250 kg with encoder	25

TECHNICAL DATA		RAY2524
control unit		14A*
power	Vdc	24
consumption power	W	120
motor consumption	A	5
protection degree	IP	44
thrust force	N	1500
working cycle	%	80
shutter opening	Max	120°
speed	m/s	0,016
opening time at 90°	sec	adjustable
working temperature	°C	-20° + 55°
weight	kg cad	6

* Suggested control unit

LIMITS USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES

ADFB (2pcs)
Adjustable frontal mounting bracket

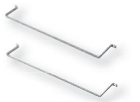
ADRB (2pcs)
Adjustable rear mounting bracket

ELS-0
Horizontal 12 V electrolock

ELS-V
Vertical 12 V electrolock

FCRAY (2pcs)
Mechanical limit switch in closing

KBP
Leaded battery back-up kit for 14A


KITFIXBATT
Kit fixing batteries 24 V (2 pcs)

FSB
Front welded bracket to be screwed

STPOAVS
Rear welded bracket to be screwed

TS
Warning board

STAR 200

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 2 m, 24 Vdc

PLUS

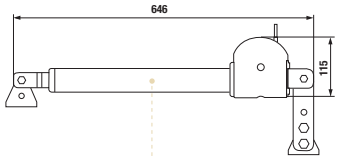
Encoder available for maximum safety in the obstacle detection

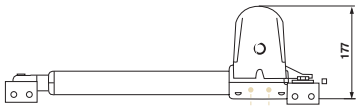
Easy slowdown and open limit settings

Mechanical parts well protected from external agents

Available on kit version

Compatible with new control unit 14A
(pag. 106 for technical details)





Sturdy telescopic stem

Robust gears and mechanical parts

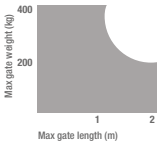
Metallic release system

CODE	DESCRIPTION	PCS PALLET
PS-200	Couple of irreversible gear motors (R+L), 24 Vdc, with encoder for leaves up to 2 m	21

TECHNICAL DATA		PS-200
control unit		14A*/CT-824S
power	Vdc	24
consumption power	W	120
motor consumption	A	5
protection degree	IP	54
thrust force	N	1400
working cycle	%	80
shutter opening	Max	90° / 120°
opening time at 90°	sec	adjustable
working temperature	°C	-20° + 55°
weight	kg cad	3 (1pc)

* Suggested control unit

LIMITS USE

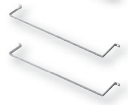


Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES

BAT-12-2A (for CT-824S) (1pc)
Battery 12 V 2 A

ELS-V
Vertical 12 V electrolock



KITFIXBATT
Kit fixing batteries 24 V (2 pcs)

ELS-0
Horizontal 12 V electrolock

KBP (for 14A)
Leaded battery back-up kit for 14A

TS
Warning board

STAR 300

PLUS

Opening mechanical limit switch, to control your gate movement

Double bearing on the main screw to grant robustness and movement fluidity

Easy mechanical release

Mechanical parts well protected from external agents

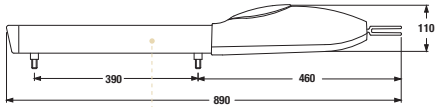
Compatible with new 230Vac control unit CT202, (pag. 109 for technical details)

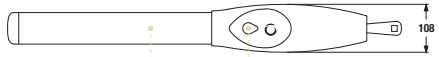
ELECTROMECHANICAL GEAR

MOTOR FOR SWING GATES WITH LEAVES UP TO 3 m, 230 Vac

LCD DISPLAY

230V





Double bearing on the main screw to grant robustness and movement fluidity

Easy mechanical release

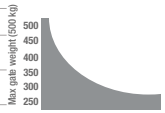
Robust bronze lock nut on endless screw

CODE	DESCRIPTION	PCS PALLET
PS-300FA	Irreversible 230 Vac motor, with mechanic opening limit switch, for leaves up to 3 m (1pc)	25
PS-300FA-R	Reversible 230 Vac motor, with mechanic opening limit switch, for leaves up to 3 m (1 pc)	25

TECHNICAL DATA		PS-300FA	PS-300FA-R
control unit		CT202*/CT-2	CT202*/CT-2
power	Vac	230	230
consumption power	W	250	250
motor consumption	A	1,1	1,1
capacitor	µF	10	10
protection degree	IP	44	44
thrust force	N	1700	1300
shutter opening	Max	90° / 120°	90° / 120°
temporary service	%	30	30
thermoprotection	°C	150°	150°
opening time at 90°	sec	23	18
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	8	8

* Suggested control unit

LIMITS USE



Lunghezza max. anta 3 m

Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES

ELS-0
Horizontal 12 V electrolock

ELS-V
Vertical 12 V electrolock

FC-PS
Mechanical closing stop

STANAV
Front welded bracket to be screwed

STPOAVS
Rear welded bracket to be screwed

TS
Warning board

STAR 500

PLUS

Opening mechanical limit switch, to control your gate movement

Encoder available in the 24 Vdc version for the obstacle detection

Double bearing on the main screw to grant robustness and movement fluidity

Possibility of battery integration in the 24 Vdc version

Easy mechanical release

Mechanical parts well protected from external agents

Available on kit version

Compatible with new 24Vdc control unit 14A, (pag. 106 for technical details)

Compatible with new 230Vac control unit CT202, (pag. 109 for technical details)

ELECTROMECHANICAL GEAR

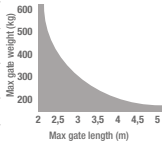
MOTOR FOR SWING GATES WITH LEAVES UP TO 5 m, 24 Vdc AND 230 Vac

CODE	DESCRIPTION	PCS PALLET
PS-400FA	Irreversible 230 Vac motor, with opening limit switch for leaves up to 5 m (1pc)	25
PS-400FA-R	Reversible 230 Vac motor, with opening limit switch for leaves up to 5 m (1 pc)	25
PS400-24FA	Irreversible 24 Vdc motor, with encoder and opening limit switch for leaves up to 5 m (1 pc)	25

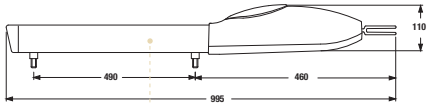
TECHNICAL DATA		PS-400FA	PS-400FA-R	PS400-24FA
control unit		CT202*/ CT-2	CT202*/ CT-2	14A*/CT-824S
power	Vac (Vdc)	230	230	230 (24)
consumption power	W	250	250	120
motor consumption	A	1,1	1,1	5
capacitor	µF	10	10	-
protection degree	IP	44	44	44
thrust force	N	1700	1300	1500
shutter opening	Max	90° / 120°	90° / 120°	90° / 120°
temporary service	%	30	30	80
thermoprotection	°C	150°	150°	150°
opening time at 90°	sec	24	24	adjustable
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°
weight	kg	8	9	8,5

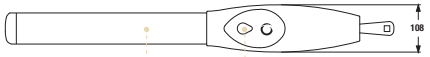
* Suggested control unit

LIMITS USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas





Double bearing on the main screw to grant robustness and movement fluidity

Easy mechanical release

Robust bronze lock nut on endless screw

ACCESSORIES

BAT-12-2A (for CT-824S) (1pc)
Battery 12 V 2A

ELS-V
Vertical 12 V electrolock

KBP (for 14A)
Leaded battery back-up kit for 14A

STANAV
Front welded bracket to be screwed

TS
Warning board

ELS-0
Horizontal 12 V electrolock

FC-PS
Mechanical closing stop

KITFIXBATT
Kit fixing batteries 24 V (2 pcs)

STPOAVS
Rear welded bracket to be screwed

MEWA 2

ELECTROMECHANICAL IRREVERSIBILE GEAR MOTOR WITH ARTICULATED ARM FOR SWING GATES WITH LEAVES UP TO 2 m, 24 Vdc

PLUS

With encoder: possibility of speed and slowdown regulation

Max safety in the obstacle detection

Integrated release for an easy manual unlock from outside

With slowdown, soft start and soft stop, to grant the product mechanical parts integrity

Reinforced mechanical parts and structure

CT-824S control unit:

New generation control unit with LCD display

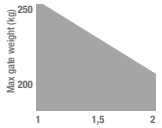
With soft start and soft stop function availability

Motor speed regulation and safety edge connection possibility

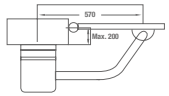
CODE	DESCRIPTION	PCS PALLET
SN-21	24 Vdc motor, without control unit, with encoder, opening and closing electric limit switch and external release for leaves up to 2 m	30
SN-21CS	24 Vdc motor, control unit with slowdown, encoder, opening and closing electric limit switch. With connectors for receiver for leaves up to 2 m	30

TECHNICAL DATA		SN-21	SN-21CS
control unit		-	CT-824S
power	Vac (Vdc)	(24)	230 (24)
consumption power	W	75	230
motor consumption	A	3	1
protection degree	IP	63	63
thrust force	N	1200	1200
working cycle	%	80	80
shutter opening time	sec	15	15
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	12,5	14

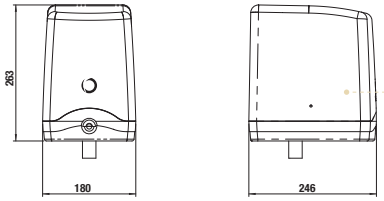
LIMITS USE

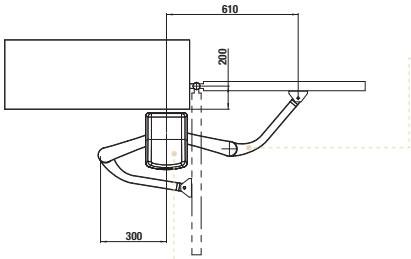


The shape, the height of the gate and the weather conditions can considerably reduce the values shown above, in the graph



A max	400
B max	300
D max	800





Electric limit switch

Aluminum articulated arm with robust joining pin

Robust mechanical components and gears

ACCESSORIES

BAT-12-2A (1pc)
Battery 12 V 2A

ELS-0
Horizontal 12 V electrolock

ELS-V
Vertical 12 V electrolock

KITFBSN20
Kit fixing batteries 24 V

TS
Warning board

MEWA

ELECTROMECHANICAL IRREVERSIBILE GEAR MOTOR WITH ARTICULATED ARM FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc AND 230 Vac

PLUS

With encoder: possibility of speed and slowdown regulation

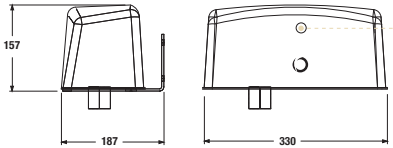
Max safety in the obstacle detection

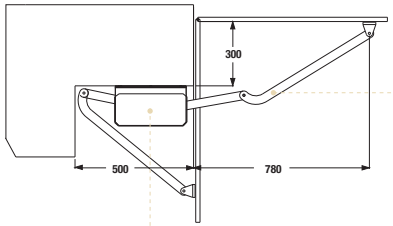
Also external release for an easy manual unlock from outside

With slowdown, soft start and soft stop granting the product mechanical parts integrity

Compatible with new 24Vdc control unit 14A, (pag.106 for technical details)

Compatible with new 230Vac control unit CT202, (pag. 109 for technical details)





24 V | LCD DISPLAY | ENC | 230V

External release for an easy manual unlock from outside

Reinforced and sturdy arm suitable for wide-angles opening

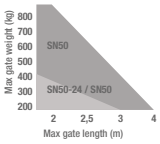
Limit switch with high precision regulation

CODE	DESCRIPTION	PCS PALLET
SN-50	230 Vac motor, with opening and closing electric limit switch for leaves up to 4 m	36
24 V SN-50-24	24 Vdc motor, with encoder for leaves up to 4 m	36

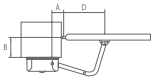
TECHNICAL DATA		SN-50	SN-50-24
control unit		CT202*/CT-2	14A*/CT-824S
power	Vac (Vdc)	230	(24)
consumption power	W	340	120
motor consumption	A	1,5	5
capacitor	µF	12	-
protection degree	IP	43	43
torque	Nm	400	350
working cycle	%	30	80
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	14	13,8

* Suggested control unit

LIMITS USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas



A max	400
B max	300
D max	800

ACCESSORIES

BAT-12-2A (for CT-824S) (1pc)
Battery 12 V 2 A

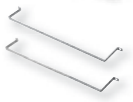
ELS-0
Horizontal 12 V electrolock

KBP (for 14A)
Leaded battery back-up kit for 14A

SBLEXT
Cable release kit

BMET
External metallic box for unlock, complete with start buttons

ELS-V
Vertical 12 V electrolock



KITFIXBATT
Kit fixing batteries 24 V (2 PCS)

TS
Warning board

UNDER

PLUS

With both opening and closing limit switch of series

24 Vdc motor with encoder to provide big safety in the obstacle detection

New cataphoresis housing box

With the possibility of speed and slowdown regulation

NEW Possibility to choose between 1.5 m and 10 m cable motor

Compatible with new 24Vdc control unit 14A, (pag.106 for technical details)

Compatible with new 230Vac control unit CT202, (pag. 109 for technical details)

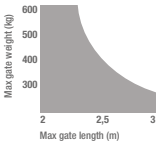
UNDERGROUND ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 3 m, 24 Vdc AND 230 Vac

CODE	DESCRIPTION	PCS PALLET
INT	230 Vac motor, with opening and closing limit switch for leaves up to 3 m (1pc). Cable length 1.5 m	36
INT10	230 Vac motor, with opening and closing limit switch for leaves up to 3 m (1pc). Cable length 10 m	36
24V INT-24	24 Vdc motor, with encoder, opening and closing limit switch for leaves up to 3 m (1pc)	36
CF	Cataphoresis housing box with connecting levers and mechanical stop	36
CI	Stainless steel housing box, with connecting levers and mechanical stop (1pc)	36
CFSB	Cataphoresis housing box with galvanized cover, without connecting levers	36

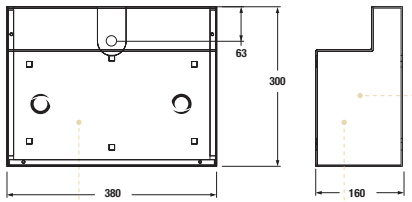
TECHNICAL DATA		INT	INT-24
control unit		CT202*/CT-2	14A*/CT-824S
power	Vac (Vdc)	230	(24)
consumption power	W	230	120
motor consumption	A	1	5
capacitor	µF	10	-
protection degree	IP	67	67
torque	Nm	300	250
shutter opening	Max	108°	108°
working cycle	%	30	80
thermoprotection	°C	150°	-
opening time	sec	20	21
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	11	10,8

* Suggested control unit

LIMITS USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas



24V LED DISPLAY ENC NEW

230V

High precision limit switch

Easy maintenance thanks to the double greasers both on housing and gear motor

External and internal release by lever

Bronze and tempered steel internal gears for maximum reliability over time

ACCESSORIES

AP110
Kit for over 110° opening. For max 3000 mm long leaf

ELS-0
Horizontal 12 V electrolock

KBP (for 14A)
Leaded battery back-up kit for 14A

SBLINT
Connecting leverswith key

BAT-12-2A (for CT-824S) (1pc)
Battery 12 V 2 A

ELS-V
Vertical 12 V electrolock

KITFIXBATT
Kit fixing batteries 24 V (2 PCS)

TS
Warning board

KIT 24 Vdc

PLUS

Easy slowdown and open limit settings

Mechanical parts well protected from external agents

Opening limit switch included for proper gate installation and use

New water resistant SUB remote control included

Night Light System with LED light included

14A control unit

FOR SWING GATES WITH LEAVES UP TO 2,5 m

RAY2524

CODE	DESCRIPTION	PCS PALLET
KRAY2524	Kit for swing gates with leaves up to 2,5 m, 24 Vdc motor. Control unit with slowdown, opening mechanic limit switch	15
KRAY2524D	Kit for swing gates with leaves up to 2,5 m, 24 Vdc motor. Control unit with slowdowni, opening mechanic limit switch and display	15

* Kit available also in the rolling code version: **KRAY2524R**

KIT COMPONENTS

14A
(Kit with display: KRAY2524D)

FT32

ECLIPSE

RX4

SEL-M

SUB-44W

TS

KIT 24 Vdc

PLUS

With encoder for the obstacle detection

Easy slowdown and open limit settings

Mechanical parts well protected from external agents

New water resistant SUB remote control included

FOR SWING GATES WITH LEAVES UP TO A 2 m

PS-200

CODE	DESCRIPTION	PCS PALLET
KIT-PS200*	Kit for swing gates with leaves up to 2 m, 24 Vdc motor. Control unit with slowdown, encoder	21

* Kit available also in the rolling code version: **KIT-PS200R**

KIT COMPONENTS

CT-824S

FT32

LUMY-24

RXI23

SEL-M

SUB-44W

TS

KIT 24 Vdc

PLUS

With encoder for the obstacle detection

Easy slowdown and open limit settings

Mechanical parts well protected from external agents

New water resistant SUB remote control included

FOR SWING GATES WITH LEAVES UP TO 2 m

SN-21
SN-21CS

CODE	DESCRIPTION	PCS PALLET
24 V KIT2-433SN*	Kit for swing gates with leaves up to 2 m, 24 Vdc motor, with articulated arms. Control unit with slowdown, encoder and opening and closing electric limit switch	15

* Kit available also in the rolling code version: **KIT2433SNR**

KIT 230 Vac

PLUS

Easy slowdown and open limit settings

Double bearing on the main screw to grant robustness and movement fluidity

With both opening limit switch

New water resistant SUB remote control included

FOR SWING GATES WITH LEAVES UP TO 3 m

PS-300-FA

CODE	DESCRIPTION	PCS PALLET
KPS302*	Kit for swing gates with leaves up to 3 m, 230 Vac motor. Control unit with slowdown and opening mechanic limit switch	15

*Kit available also in the rolling code version: **KPS302R**

KIT COMPONENTS

CT-824S

FT32

LUMY-24

RXI23

SEL-M

SUB-44W

TS

KIT COMPONENTS

CT202

FT32

LUMY-230E

RX4

SEL-M

SUB-44W

TS

KIT 230 Vac

PLUS

Easy slowdown and open limit settings

Mechanical parts well protected from external agents

New water resistant SUB remote control included

FOR SWING GATES WITH LEAVES UP TO 4 m

SN-50

CODE	DESCRIPTION	PCS PALLET
KSN52*	Kit for swing gates with leaves up to 4 m, 230 Vac motor, with articulated arms. Control unit with slowdown	12

* Kit available also in the rolling code version: **KSN52R**

KIT COMPONENTS

CT202

FT32

LUMY-230E

RX4

SEL-M

SUB-44W

TS

KIT 230 Vac

PLUS

Easy slowdown and open limit settings

With both opening and closing limit switch

New water resistant SUB remote control included

FOR SWING GATES WITH LEAVES UP TO 3 m

INT

CODE	DESCRIPTION	PCS PALLET
KINT2* Housing boxes not included!	Underground kit for swing gates with leaves up to 3 m, 230 Vac motor. Control unit with slowdown	9

* Kit available also in the rolling code version: **KINT2R**

KIT COMPONENTS

CT202

FT32

LUMY-230E

RX4

SEL-M

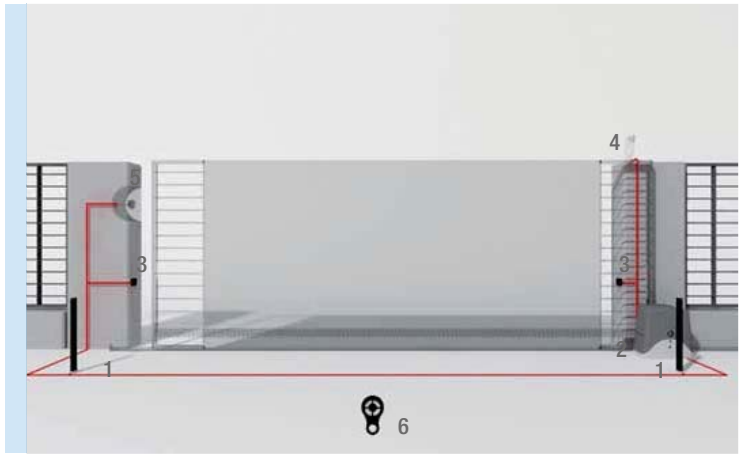
SUB-44W

TS

keyhome/ industry

Installations

- **TURBO 30**
  FOR GATES UP TO 300 kg
  TURBO KIT
  - intensive use — magnetic limit switch — **SC-30CSM**
- **TURBO 50**
  FOR GATES UP TO 400 kg
  TURBO KIT
  - intensive use — mechanical limit switch — **SC4224**
- **TURBO 50**
  FOR GATES UP TO 500 kg
  TURBO KIT
  - normal use — mechanical limit switch — **SC40** / **SC52**
  - normal use — magnetic limit switch — **SC52M**
- **TURBO 80**
  FOR GATES UP TO 700 kg
  TURBO KIT
  - intensive use — mechanical limit switch — **SC7224**
- **TURBO 80**
  FOR GATES UP TO 800 kg
  TURBO KIT
  - normal use — mechanical limit switch — **SC-50** / **SC82**
  - normal use — magnetic limit switch — **SC82M**
- **TURBO 120**
  FOR GATES UP TO 1100 kg
  TURBO KIT
  - intensive use — mechanical limit switch — **SC11224**
- **TURBO 120**
  FOR GATES UP TO 1200 kg
  TURBO KIT
  - normal use — mechanical limit switch — **SC-70** / **SC122**
  - normal use — magnetic limit switch — **SC122M**
- **TURBO 160**
  FOR GATES UP TO 1600 kg
  - normal use — mechanical limit switch — **SC-100** / **SC162**
  - normal use — magnetic limit switch — **SC162M**
- **TURBO 250**
  FOR GATES UP TO 2500 kg
  - normal use — magnetic limit switch — **SC-244** / **SC252M**
- **TURBO 400**
  FOR GATES UP TO 4000 kg
  - normal use — magnetic limit switch — **SC400M**



STANDARD INSTALLATION

1 Post for photocells
2 Automation electromechanical
3 Photocell detectors
4 Flashing light
5 Key switch
6 Radio transmitter

TURBO 30

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 300 Kg, 24 Vdc

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

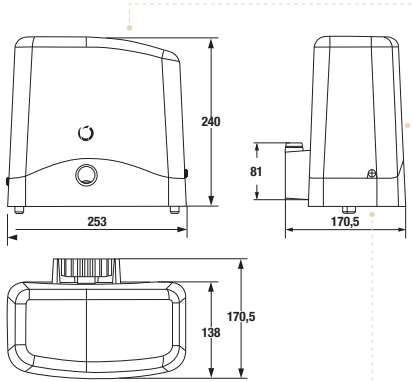
Conceived to carry intensive use and harsh working conditions

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety

With fixing plate included



Internal battery back-up as optional

Hidden external case fixing

Magnetic limit switch

CODE	DESCRIPTION	PCS PALLET
SC-30CSM	24 Vdc motor, control unit with slowdown, encoder, magnetic limit switch, for gates up to 300 kg. With connectors for receiver. Intensive use	36

TECHNICAL DATA		SC-30CSM
control unit		CT-24M
power	Vac (Vdc)	230 (24)
consumption power	W	250
motor consumption	A	1,1
protection degree	IP	54
torque	Nm	10
speed	cm/s	20
thrust force	N	300
max gate weight	kg	300
insulation class		1
working cycle	%	50
working temperature	°C	-20° + 55°
weight	kg	10,5

* Variable data according to gate weight

ACCESSORIES

BAT-12 (1pc)
Battery 12 V 1.3 A

CABAT-30
Battery charger for 24 Vdc motors

CREM-P
M4 nylon toothed rack L=1000 mm for gates up to max 800 kg

TS
Battery charger

TURBO 50

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 400 Kg FOR 24 Vdc, 500 Kg FOR 230 Vac

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety (24V)

One control unit suitable for all 230 Vac motors

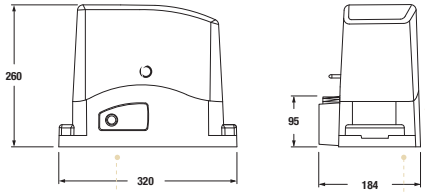
One control unit suitable for all 24 Vdc motors

With fixing plate included

NEW New 24 Vdc motor, intensive use, for gates up to 400 kg

Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)



CODE	DESCRIPTION	PCS PALLET
SC-40	230 Vac motor, without control unit, with mechanic limit switch, for gates up to 500 kg	36
SC52 [1]	230 Vac motor, control unit with slowdown, mechanic limit switch, for gates up to 500 kg. With connectors for receiver	36
SC52M [2]	230 Vac motor, control unit with slowdown, magnetic limit switch, for gates up to 500 kg. With connectors for receiver	36
24 V SC4224	24 Vdc motor, control unit with slowdown, encoder, mechanical limit switch, for gates up to 400 kg. With connectors for receiver. Intensive use	36

upon stock termination of old codes [1] SC-41CS , [2] SC-41CSM

TECHNICAL DATA		SC-40	SC52 SC52M	SC4224
control unit		-	CT102	CT-724S
power	Vac (Vdc)	230	230	230 (24)
consumption power	W	300	300	300
motor consumption	A	1,3	1,3	1,5
capacitor	µF	12,5	12,5	-
protection degree	IP	44	44	44
torque	Nm	16	16	16
speed*	cm/s	16	16	20
thrust force	N	400	400	400
max gate weight	kg	500	500	400
thermoprotection	°C	150°	150°	-
insulation class		1	1	1
working cycle	%	30	30	50
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°
weight	kg	12	12	10

* Variable data according to gate weight

24 V | LCD DISPLAY | ENC

230V | LCD DISPLAY | NEW

Internal battery back-up as optional

Sturdy and performing motors

High quality ball bearing

ACCESSORIES

CPHSC-50
Rised fixing plate

CREM-P
M4 nylon toothed rack L=1000 mm for gates up to max 800 kg

TS
Warning board

CREM-8
M4 iron toothed rack 30x8 mm L=1000 mm

KBPKN
Kit 24 Vdc batteries, 1,3 Ah and battery charger BCN

TURBO 80

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 700 Kg FOR 24 Vdc, 800 Kg FOR 230 Vac

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety (24V)

One control unit suitable for all 230 Vac motors

One control unit suitable for all 24 Vdc motors

With fixing plate included

NEW New 24 Vdc motor, intensive use, for gates up to 700 kg

Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

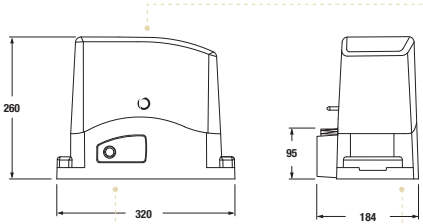
Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)

CODE	DESCRIPTION	PCS PALLET
SC-50	230 Vac motor, without control unit, with mechanic limit switch, for gates up to 800 kg	36
SC82 [1]	230 Vac motor, control unit with slowdown, mechanic limit switch, for gates up to 800 kg. With connectors for receiver	36
SC82M [2]	230 Vac motor, control unit with slowdown, magnetic limit switch, for gates up to 800 kg. With connectors for receiver	36
24 V SC7224	24 Vdc motor, control unit with slowdown, encoder, mechanical limit switch, for gates up to 700 kg. With connectors for receiver. Intensive use	36

upon stock termination of old codes [1] SC-51CS , [2] SC-51CSM

TECHNICAL DATA		SC-50	SC82 SC82M	SC7224
control unit		-	CT102	CT-724S
power	Vac (Vdc)	230	230	230 (24)
consumption power	W	450	450	500
motor consumption	A	1,9	1,9	2,5
capacitor	µF	16	16	-
protection degree	IP	44	44	44
torque	Nm	29	29	34
speed*	cm/s	16	16	30
thrust force	N	650	650	600
max gate weight	kg	800	800	700
thermoprotection	°C	150°	150°	-
insulation class		1	1	1
working cycle	%	30	30	80
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°
weight	kg	12,5	12,5	11

* Variable data according to gate weight



Internal battery back-up as optional

Sturdy and performing motors

High quality ball bearing

ACCESSORIES

CPHSC-50
Rised fixing plate

CREM-12
M4 iron toothed rack
30x12 mm L=1000 mm

KBPKN
Kit 24 Vdc batteries, 1,3 Ah and battery charger BCN. Up to 500 kg

TS
Warning board

CREM-8
M4 iron toothed rack
30x8 mm L=1000 mm

CREM-P
M4 nylon toothed rack L=1000 mm for gates up to max 800 kg

KBPKN2
Kit 24 Vdc batteries, 2,2 Ah and battery charger BCN, from 500 kg for extreme performance

TURBO 120

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 1100 Kg FOR 24 Vdc,1200 Kg FOR 230 Vac

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety (24V)

One control unit suitable for all 230 Vac motors

One control unit suitable for all 24 Vdc motors

With fixing plate included

NEW New 24 Vdc motor, intensive use, for gates up to 1100 kg

Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)

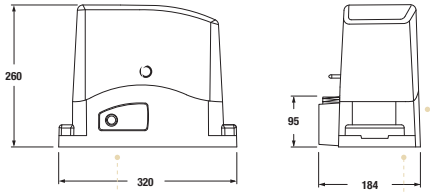
With encoder system

CODE	DESCRIPTION	PCS PALLET
SC-70	230 Vac motor, without control unit, with mechanic limit switch, for gates up to 1200 kg	36
SC122 [1]	230 Vac motor, control unit with slowdown, mechanic limit switch, for gates up to 1200 kg. With connectors for receiver	36
SC122M [2]	230 Vac motor, control unit with slowdown, magnetic limit switch, for gates up to 1200 Kg. With connectors for receiver	36
24 V SC11224	24 Vdc motor, control unit with slowdown, encoder, mechanical limit switch, for gates up to 1100 kg. With connectors for receiver. Intensive use	36

upon stock termination of old codes [1] SC-71CS , [2] SC-71CSM

TECHNICAL DATA		SC-70	SC122 SC122M	SC11224
control unit		-	CT102	CT-724S
power	Vac (Vdc)	230	230	230 (24)
consumption power	W	600	600	450
motor consumption	A	2,6	2,6	2,3
capacitor	µF	20	20	-
protection degree	IP	44	44	44
torque	Nm	40	40	50
speed*	cm/s	16	16	23
thrust force	N	1000	1000	900
max gate weight	kg	1200	1200	1100
thermoprotection	°C	150°	150°	-
insulation class		1	1	1
working cycle	%	30	30	80
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°
weight	kg	13,5	13,5	11

* Variable data according to gate weight



Fixing plate integrated

Sturdy and performing motors

High quality ball bearing

ACCESSORIES

CPHSC-50
Rised fixing plate

CREM-12
M4 iron toothed rack
30x12 mm L=1000 mm

TS
Warning board

CREM-8
M4 iron toothed rack
30x8 mm L=1000 mm

KBPKN2
Kit 24 Vdc batteries, 2,2 Ah and battery charger BCN, from 500 kg for extreme performance

TURBO 160

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 1600 Kg, 230 Vac

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

One control unit suitable for all 230 Vac motors

With fixing plate included

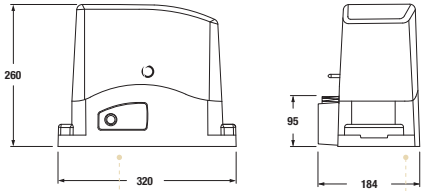
Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)

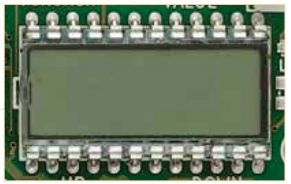
CODE	DESCRIPTION	PCS PALLET
SC-100	230 Vac motor, without control unit, with mechanic limit switch, for gates up to 1600 kg	36
SC162 [1]	230 Vac motor, control unit with slowdown, mechanic limit switch, for gates up to 1600 kg. With connectors for receiver	36
SC162M [2]	M230 Vac motor, control unit with slowdown, magnetic limit switch, for gates up to 1600 kg. With connectors for receiver	36

upon stock termination of old codes [1] SC-101CS , [2] SC-101CSM

TECHNICAL DATA		SC-100	SC162 SC162M
control unit		-	CT102
power	Vac (Vdc)	230	230
consumption power	W	700	700
motor consumption	A	3	3
capacitor	µF	20	20
protection degree	IP	44	44
torque	Nm	40	40
speed*	cm/s	16	16
thrust force	N	1000	1000
max gate weight	kg	1600	1600
thermoprotection	°C	150°	150°
insulation class		1	1
working cycle	%	30	30
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	13,5	13,5

* Variable data according to gate weight





LCD display for immediate interface

Sturdy and performing motors

Bronze internal gear

ACCESSORIES

CPHSC-50
Rised fixing plate

CREM-12
M4 iron toothed rack
30x12 mm L=1000 mm

TS
Warning board

TURBO 250

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 2500 Kg, 230 AND 400 Vac

PLUS

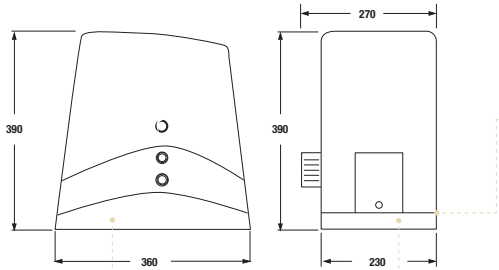
With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)

*



230V

LCD DISPLAY

400V

Hidden external case fixing

Aluminum polished base and rised fixing plate

Sturdy and performing motors

CODE	DESCRIPTION	PCS PALLET
SC-244	400 Vac motor, without control unit, with magnetic limit switch, for gates up to 2500 kg. M4 pinion	16
SC252M	230 Vac motor, control unit with slowdown, with magnetic limit switch, for gates up to 2500 kg. With connectors for receiver. M4 pinion	16

TECHNICAL DATA		SC-244	SC252M
control unit		CT400 ***	CT102
power	Vac (Vdc)	400	230
consumption power	W	650	580
motor consumption	A	1,5	4
capacitor	µF	-	35
protection degree	IP	44	44
torque	Nm	63	57
speed**	cm/s	18	18
thrust force	N	1450	1300
max gate weight	kg	2500	2500
thermoprotection	°C	-	150°
insulation class		F	1
working cycle	%	50	40
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	15,5	16

* New color available while stocks last 2012 ** Variable value according to gate weight
*** Suggested control unit

ACCESSORIES

480RM6Z12
Pinion M6 Z12

CREM-12
M4 iron toothed rack
30x12 mm L=1000 mm

CREM-30
M6 iron toothed rack
30x30 mm L=1000 mm

TS
Warning board

TURBO 400

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SLIDING GATES UP TO 4000 Kg, 400 Vac

PLUS

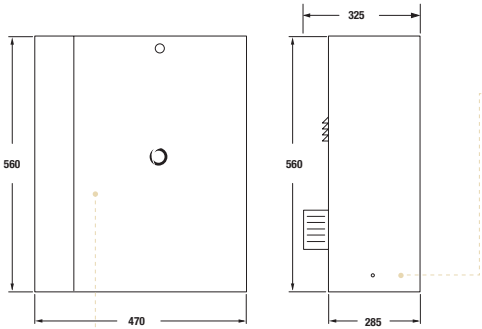
Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

Electric brake, to grants safety also on heaviest installations

For industrial installations

Compatible with new 400V control unit CT400-401, (pag.112 for technical details)



Sturdy and performing motor

Anti-UV powder painting

CODE	DESCRIPTION	PCS PALLET
SC400M	400 Vac motor, control unit with slowdown, magnetic limit switch, for gates up to 4000 kg. M6 pinion	4

TECHNICAL DATA		SC400M
control unit		CT400
power	Vac (Vdc)	400
consumption power	W	750
motor consumption	A	2
protection degree	IP	54
torque	Nm	180
speed*	cm/s	17
thrust force	N	3500
max gate weight	kg	4000
thermoprotection	°C	150°
insulation class		1
working cycle	%	50
working temperature	°C	-20° + 55°
weight	kg	76

* Variable data according to gate weight

ACCESSORIES

CREM-30

M6 iron toothed rack
30x30 mm L=1000 mm

TS

Warning board

TURBO KIT

FOR SLIDING GATES
24 Vdc 300 Kg

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety

With fixing plate included

Conceived to carry intensive use

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
24 V KIT-433*	Kit for sliding gates up to 300 kg, 24 Vdc motor, control unit with slowdown, encoder, magnetic limit switch	36

* Kit available also in the rolling code version: **KIT-433R**

KIT COMPONENTS

FT32

RXI23

SEL-M

TS

LUMY-24

SC-30CSM

SUB-44W

TURBO KIT

FOR SLIDING GATES
24 Vdc 400 Kg

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety

With fixing plate included

Conceived to carry intensive use

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
24 V KSC4224*	Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, encoder, mechanic limit switch	36

* Kit disponibile anche nella versione rolling code: **KSC4224R**

KIT COMPONENTS

FT32

RXI23

SEL-M

TS

LUMY-24

SC4224 400 kg

SUB-44W

TURBO KIT

FOR SLIDING GATES
24 Vdc 700 Kg

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety

With fixing plate included

Conceived to carry intensive use

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
24 V KSC7224*	Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit with slowdown, encoder, mechanic limit switch	36

* Kit available also in the rolling code version: **KSC7224R**

KIT COMPONENTS

FT32

RXI23

SEL-M

TS

LUMY-24

SC7224 700 kg

SUB-44W

TURBO KIT

FOR SLIDING GATES
24 Vdc 1100 Kg

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Easy maintenance thanks to the horizontal control unit position

With magnetic encoder for detecting obstacles with maximum safety

With fixing plate included

Conceived to carry intensive use

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
24 V KSC11224*	Kit for sliding gates up to 1100 kg, 24 Vdc motor, control unit with slowdown, encoder, mechanic limit switch	36

* Kit available also in the rolling code version: **KSC11224R**

KIT COMPONENTS

FT32

RXI23

SEL-M

TS

LUMY-24

SC11224 1100 kg

SUB-44W

TURBO KIT

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With fixing plate included

New water resistant SUB remote control included

FOR SLIDING GATES
230 Vac FROM 500 TO 800 Kg

CODE	DESCRIPTION	PCS PALLET
KSC52*	Kit for sliding gates up to 500 kg. 230 Vac motor, control unit with slowdown and mechanic limit switch	36
KSC82*	Kit for sliding gates up to 800 kg, 230 Vac motor, control unit with slowdown and mechanic limit switch	36

* Kit available also in the rolling code version: **KSC52R, KSC82R**

KIT COMPONENTS

FT32

LUMY-230E

RX4

SEL-M

SC52 500 kg
SC82 800 kg

SUB-44W

TS

TURBO KIT

PLUS

With slowdown function in both opening and closing to preserve your gate integrity

Electronic and mechanical parts well protected from external agents

Easy maintenance thanks to the horizontal control unit position

With fixing plate included

New water resistant SUB remote control included

FOR SLIDING GATES
230 Vac 1200 Kg

CODE	DESCRIPTION	PCS PALLET
KSC122*	Kit for sliding gates up to 1200 kg, 230 Vac motor, control unit with slowdown and mechanic limit switch	36

* Kit available also in the rolling code version: **KSC122R**

KIT COMPONENTS

FT32

LUMY-230E

RX4

SEL-M

SC122 1200 kg

SUB-44W

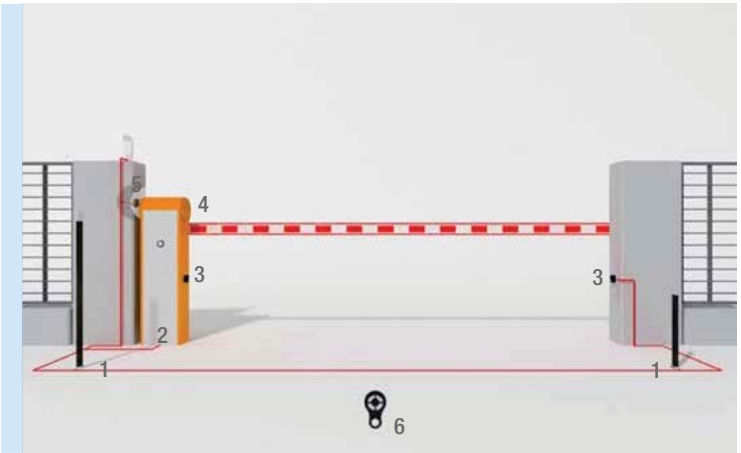
TS

keyindustry

Installations

- ALT 4 P
  ALT 4 KP
  BARRIER UP TO 4 m — intensive use
  - BR4-24P
  - BR4-24KP
    With built-in flashing light

- ALT 6 P
  ALT 6 KP
  BARRIER UP TO 6 m — intensive use
  - BR-624P
  - BR-624KP
    With built-in flashing light



STANDARD INSTALLATION

1 Post for photocells
2 Automation barriera
3 Photocell detectors
4 Flashing light
5 Key switch
6 Radio transmitter

ALT 4KP
ALT 6KP

PLUS

On 6 m. model ALT has double spring to counter balance movement and make it more fluent, without bumps

Anti-UV orange peel epoxy power coating

Robust gears and levers for reliable functioning over time

Performance increase: 3,5 sec opening time for 4m barrier and 6 sec for 6 m barrier

Encoder for the obstacle detection and immediate run inversion

Linear acceleration and deceleration to make opening and closing run as smooth as possible

For an intensive use, for private and public solutions

Energy saving modality in stand by

Possibility to extract the control unit and program it in standing position for installer comfort and easy access

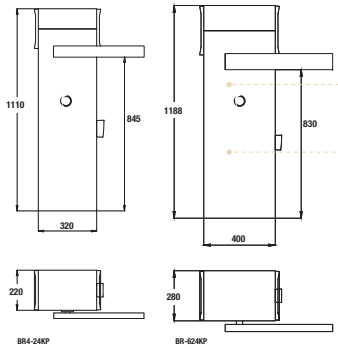
Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

ELECTROMECHANICAL IRREVERSIBLE BARRIER WITH DOUBLE BUILT-IN FLASHING LIGHT FOR BAR FROM 4 TO 6 m, 24 Vdc

CODE	DESCRIPTION	PCS PALLET
BR4-24KP	24 Vdc motor, with control unit in box, encoder, double built-in led flashing light. Connector for receiver. For 4 m long barrier	6
BR-624KP	24 Vdc motor, with control unit in box, encoder, double built-in led flashing light. Connector for receiver. For 6 m long barrier	5

TECHNICAL DATA		BR4-24KP	BR-624KP
control unit		CT-724S	CT-724S
power	Vac (Vdc)	230 (24)	230 (24)
consumption power	W	150	150
motor rpm	rpm	1200	1200
motor consumption	A	6	6
opening time	sec	3.5	6/*12
max bar length	m	4	6 *(8 mt)
working cycle	%	80	80
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	35	43
protection degree	IP	54	54

* with 8m boom (AST8)



Metallic gear + shock resistant motor

Double Led flashing light

ACCESSORIES ALT 4KP

AS4
Aluminum bar
L=4000 mm
di. 60x30 mm

AS-4J
2+2 m aluminum bar,
60x30x2 with joint included

AS-SN03
Joint for articulated rods with 3 m aluminum bar included.
Only for ALT BR4-24KP

AST4
Aluminum tubular bar
L=4000 mm Ø 60 mm,
in case of strong wind

ATAST60
Connection for round bar Ø 60 mm

CP-BR
Anchorage plate with rag bolts

PROF
Flexible rubber profile,
8 m and plug set for **AS4**

ACCESSORIES ALT 6KP

AS6
Aluminum bar
L=6000 mm
di. 100 x 40 mm

AS-6J
3+3 m aluminum bar,
100x40x2 with joint included

AST6
Aluminum tubular bar
L=6000 mm Ø 90 mm,
in case of strong wind

AST8
Round telescopic aluminum boom
L=8500 mm Ø 60/90 mm, with counter-weight, joints and fixed support
(to be not load with other accessories)

ATAST90
Connection for round bar Ø 90 mm

CP-BR6
Anchorage plate with rag bolts

PROF6
Flexible rubber profile,
12 m and plug set for **AS6**

ALT 4P
ALT 6P

ELECTROMECHANICAL IRREVERSIBLE BARRIER FOR BAR FROM 4 TO 6 m, 24 Vdc

PLUS

On 6 m. model ALT has double spring to counter balance movement and make it more fluent, without bumps

Anti-UV orange peel epoxy power coating

Robust gears and levers for reliable functioning over time

Performance increase: 3,5 sec opening time for 4m barrier and 6 sec for 6 m barrier

Encoder for the obstacle detection and immediate run inversion

Linear acceleration and deceleration to make opening and closing run as smooth as possible

For an intensive use, for private and public solutions

Energy saving modality in stand by

Possibility to extract the control unit and program it in standing position for installer comfort and easy access

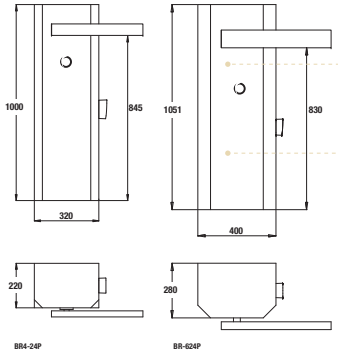
Universal box: fast and easy installation of right or left bar depending on installation need

Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

CODE	DESCRIPTION	PCS PALLET
24 V BR4-24P	24 Vac motor, with control unit in box and encoder. Connector for receiver. For 4 m long barrier	6
24 V BR-624P	24 Vac motor, with control unit in box and encoder. Connector for receiver. For 6 m long barrier	6

TECHNICAL DATA		BR4-24P	BR-624P
control unit		CT-724S	CT-724S
power	Vac (Vdc)	230 (24)	230 (24)
consumption power	W	150	150
motor rpm	rpm	1200	1200
motor consumption	A	6	6
capacitor	µF	-	-
opening time	sec	3,5	6/*12
max bar length	m	4	6 *(8mt)
working cycle	%	80	80
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	35	43
protection degree	IP	54	54

* with 8m boom (AST8)



Metallic gear + shock resistant motor

Double balance springs for a more fluid movement

ACCESSORIES ALT 4

AS4
Aluminum bar
L=4000 mm
di. 60x30 mm

AS-4J
2+2 m aluminum bar,
60x30x2 with joint included

AS-SN03
Joint for articulated rods with 3 m aluminum bar included.
Only for ALT BR4-24P

AST4
Aluminum tubular bar
L=4000 mm Ø 60 mm,
in case of strong wind

ATAST60
Connection for round bar Ø 60 mm

CP-BR
Anchorage plate with rag bolts

PROF
Flexible rubber profile,
8 m and plug set for **AS4**

ACCESSORIES ALT 6

AS6
Aluminum bar
L=6000 mm
di. 100 x 40 mm

AS-6J
3+3 m aluminum bar,
100x40x2 with joint included

AST6
Aluminum tubular bar
L=6000 mm Ø 90 mm,
in case of strong wind

AST8
Round telescopic aluminum boom
L=8500 mm Ø 60/90 mm, with counter-weight, joints and fixed support
(to be not load with other accessories)

ATAST90
Connection for round bar Ø 90 mm

CP-BR6
Anchorage plate with rag bolts

PROF6
Flexible rubber profile,
12 m and plug set for **AS6**

ALT 4KP / 6KP / 4P / 6P
COMMON ACCESSORIES

AD
Red reflecting adhesive stripes (10 pcs)

APM
Mobile support

KBPKN
Kit 24 Vdc batteries, 1,3 Ah and battery charger BCN

KLIGHT
Kit lights (4 pcs)

SKIRT
Kit alluminium fence, length 1,7 m

APF
Fixed support

CT-LIGHT
Control unit for **KLIGHT**

KITFIXBATT
Kit fixing batteries 24 V (2 PCS)

RIMAE
Magnetic sensor, one coil, two outputs (impulse and presence)

TS
Warning board

KEYDoors

Systems for rolling shutters

Sharp 60 72
Sharp 60BM 74
Sharp 76 - 76BM 76

Systems for overhead and sectional doors

Viper 80
Blindo 82
Viper Kit 84
Blindo Kit 85

Automation for sliding doors

Wind Pro 88
Wind Light Pro 94
Wind Pro e Wind Light Pro accessories 100
Anti-panic systems 102
Fastening kit for glass door 102

keyindustry

Installations

- **SHARP**
  230 Vac
  ELECTROMECHANICAL
  GEAR MOTOR
  FOR ROLLING
  SHUTTERS
  - shaft Ø 42-48-60 mm, rim 200-220 mm, weight up to 170 kg
    - without electro-brake — **SW6200, SW6200BT**
    - with electro-brake — **SW6200EF, SW6200EFBT**
  - shaft Ø 42-48-60 mm, rim 200-220 mm, weight up to 320 kg
    - without electro-brake — **SW12200**
    - with electro-brake — **SW12200EF**
  - shaft Ø 76 mm, rim 240 mm, weight up to 180 kg
    - without electro-brake — **SW6240E**
    - with electro-brake — **SW6240EFE**
  - shaft Ø 76 mm, rim 240 mm, weight up to 350 kg
    - without electro-brake — **SW12240E**
    - with electro-brake — **SW12240EFE**

STANDARD INSTALLATION

1 Automation electromechanical
2 Photocell detectors
3 Flashing light
4 Key switch
5 Radio transmitter

SHARP 60

ELECTROMECHANICAL GEAR MOTOR FOR ROLLING SHUTTERS, UP TO 170 Kg, 230 Vac

PLUS

Semi-automatic limit switch, easy and intuitive

Excellent performance thanks to noiseless adaptor

Electromagnetic brake version

Neat design with single robust gearmotor

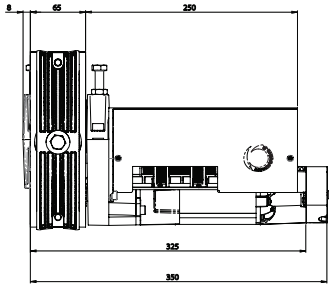
Good reversibility in case of power failure

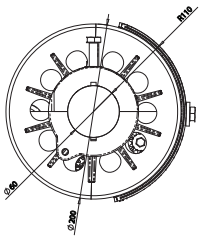
Low maintenance required with good resistance to wear

Fast, working continuously for more than 7 minutes with 230Vac voltage. Performance above market standards

CODE	DESCRIPTION	PCS PALLET
SW6200	Reversible motor for o 42-48-60 mm shaft, rim ø 200-220 mm, 170 Kg	45
SW6200EF	Irreversible motor for ø 42-48-60 mm shaft, rim ø 200-220 mm, 170 Kg. With electro-brake	45
SW6200BT	Reversible motor for ø 42-48-60 mm shaft, rim ø 200-220 mm, 170 Kg. With limit switch circuit and low voltage activation	45
SW6200EFBT	Irreversible motor for ø 42-48-60 mm shaft, rim ø 200-220 mm, 170 Kg. With electro-brake, limit switch circuit and low voltage activation	45

TECHNICAL DATA		SW6200 - SW6200EF	SW6200BT - SW6 200EFBT
control unit		CT-1EB/CT-1EBR	-
power	Vac	230	230
motor consumption	W	600	600
strength	A	2,8	2,8
torque	Nm	175	175
working cycle	%	30	30
speed	rpm	10	10
working temperature	°C	-20° + 55°	-20° + 55°
max gear stroke	m	6	6
thermoprotection	°C	170°	170°
capacitor	µF	18	18
weight	kg	9 - 10	9 - 10





SW6200 SW6200BT
SW6200EF SW6200EFBT

Limit switch with fast regulation

Solid and robust design

High-performing motor

ACCESSORIES

ADAT-SW42 (couple)
Shaft adapter Ø 42

CT-1EB / CT-1EBR
230 Vac control unit with integrated receiver, fix code or rolling code. In box

LUMY-230
230 Vac flashing light, 25 W, with antenna

SUB-44WR/SUB-44W
4 channels, water resistant transmitter 433.92 MHz, rolling code or fix code

TS
Warning board

BMET
External metallic box for motor release, including action button

FT22
Pair of photocells for external use and flush-mounting (80x30x28 mm)

SEL-M
Outdoor key selector

SW-EF
Electro-brake with release

SHARP 60BM

ELECTROMECHANICAL GEAR MOTOR FOR ROLLING SHUTTERS, UP TO 320 Kg, 230 Vac

PLUS

Semi-automatic limit switch, easy and intuitive

Excellent performance thanks to noiseless adaptor

Bi-motor version

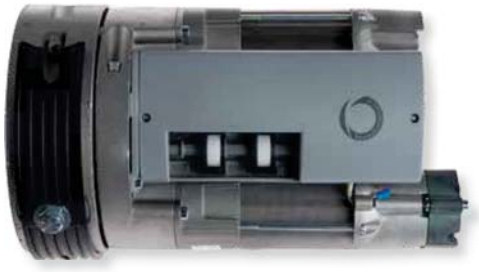
Electromagnetic brake version

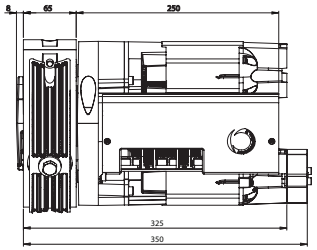
Neat design with single robust gearmotor

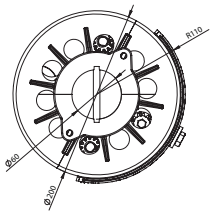
Good reversibility in case of power failure

Low maintenance required with good resistance to wear

Fast, working continuously for more than 7 minutes with 230Vac voltage. Performance above market standards







SW12200
SW12200EF

CODE	DESCRIPTION	PCS PALLET
SW12200	Reversible bi-motor for ø 42-48-60 mm shaft, rim ø 200-220 mm, 320 Kg	45
SW12200EF	Irreversible bi-motor for ø 42-48-60 mm shaft, rim ø 200-220 mm, 320 Kg. With electro-brake	45

TECHNICAL DATA		SW12200 - SW12200EF
control unit		CT-1EB / CT-1EBR
power	Vac	230
motor consumption	W	1200
strength	A	5,6
torque	Nm	325
working cycle	%	30
speed	rpm	10
working temperature	°C	-20° + 55°
max gear stroke	m	6
thermoprotection	°C	170°
capacitor	µF	35
weight	kg	13.5 - 14.5

Limit switch with fast regulation

Solid and robust design

High-performing motor

ACCESSORIES

ADAT-SW42 (couple)
Shaft adapter Ø 42

CT-1EB / CT-1EBR
230 Vac control unit with integrated receiver, fix code or rolling code. In box

LUMY-230
230 Vac flashing light, 25 W, with antenna

SUB-44WR/SUB-44W
4 channels, water resistant transmitter 433.92 MHz, rolling code or fix code

TS
Warning board

BMET
External metallic box for motor release, including action button

FT22
Pair of photocells for external use and flush-mounting (80x30x28 mm)

SEL-M
Outdoor key selector

SW-EF
Electro-brake with release

SHARP 76 76BM PLUS

Semi-automatic limit switch, easy and intuitive

Excellent performance thanks to noiseless adaptor

76 mm shaft, single or bi-motor version

Electromagnetic brake version

Neat design with single robust gearmotor

Good reversibility in case of power failure

Low maintenance required with good resistance to wear

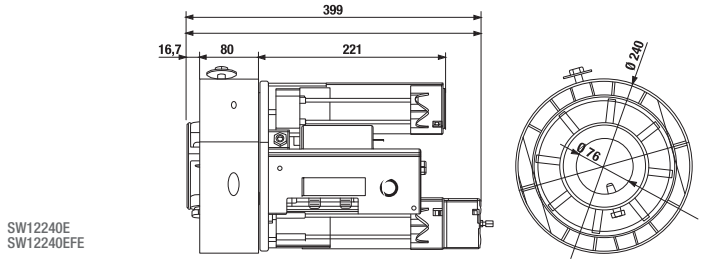
ELECTROMECHANICAL GEAR MOTOR FOR ROLLING SHUTTERS, UP TO 350 Kg, 230 Vac

SW12240E
SW12240EFE

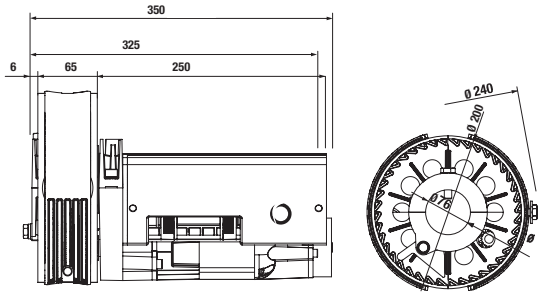
SW6240E
SW6240EFE

CODE	DESCRIPTION	PCS PALLET
SW6240E	Reversible motor for ø 76 mm shaft, rim ø 240 mm, 180 Kg	45
SW6240EFE	Irreversible motor for ø 76 mm shaft, rim ø 240 mm, 170 Kg. With electro-brake	45
SW12240E	Reversible bi-motor for ø 76 mm shaft, rim ø 240 mm, 350 Kg	45
SW12240EFE	Irreversible bi-motor for ø 76 mm shaft, rim ø 240 mm, 350 Kg. With electro-brake	45

TECHNICAL DATA		SW6240E	SW6240EFE	SW12240E	SW12240EFE
control unit		CT-1EB / CT-1EBR	CT-1EB / CT-1EBR	CT-1EB / CT-1EBR	CT-1EB / CT-1EBR
power	Vac	230	230	230	230
motor consumption	W	600	600	1200	1200
strength	A	2,8	2,8	5,6	5,6
torque	Nm	185	185	370	370
working cycle	%	30	30	30	30
speed	rpm	8	8	8	8
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°	-20° + 55°
max gear stroke	m	6	6	6	6
thermoprotection	°C	170°	170°	170°	170°
capacitor	µF	18	18	35	35
weight	kg	12	13	16,5	17,5



SW12240E
SW12240EFE



SW6240E
SW6240EFE

ACCESSORIES

BMET
External metallic box for motor release, including action button

FT22
Pair of photocells for external use and flush-mounting (80x30x28 mm)

SEL-M
Outdoor key selector

SW-EFE
Electro-brake with release

CT-1EB / CT-1EBR
230 Vac control unit with integrated receiver, fix code or rolling code. In box

LUMY-230
230 Vac flashing light, 25 W, with antenna

SUB-44WR/SUB-44W
4 channels, water resistant transmitter 433.92 MHz, rolling code or fix code

TS
Warning board

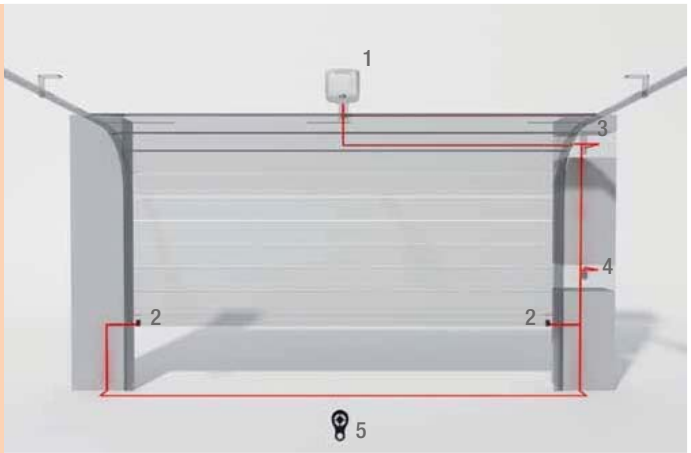
User manual

keyhome

Installations

- **VIPER**
  GEAR MOTOR FOR OVERHEAD DOORS UP TO 14 m² AND SECTIONAL DOORS UP TO 16 m²
  VIPER KIT
  - intensive use
    - **SEZ7U (up to 10 sqm)**
    - **SEZ7 (up to 10 sqm)**
    - **SEZ12U (up to 16 sqm)**
    - **SEZ12 (up to 16 sqm)**
    - **SEZ124 (up to 16 sqm)**

- **BLINDO**
  GEAR MOTOR FOR SPRING OR COUNTERWEIGHT OVERHEAD DOORS UP TO 9 m²
  BLINDO KIT
  - normal use
    - **BS-50**
    - **BS-52**
  - intensive use
    - **BS-5224**



STANDARD INSTALLATION

1 Automation electromechanical
2 Photocell detectors
3 Flashing light
4 Key switch
5 Radio transmitter

VIPER

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR OVERHEAD DOORS UP TO 14 sqm AND SECTIONAL UP TO 16 sqm

PLUS

24 Vdc motor to offer full safety for residential use

Control unit and 2 channels integrated receiver

Possibility to select fix or rolling code

One or three pcs pre-assembled guide, comprehensive of joint with chain option

Adjustable motor head

Temporized courtesy light possibility

Battery back-up possibility in case of power failure

	CODE	DESCRIPTION	POWER	GUIDE	PCS PALLET
24 V	SEZ7U	For sectional doors up to 10 sqm with 24 Vdc control unit and built-in receiver	700 Nm	pre-assembled chain rail 3320 mm in single piece	70 (only head)
24 V	SEZ7	For sectional doors up to 10 sqm with 24 Vdc control unit and built-in receiver	700 Nm	chain rail 3320 mm in three pieces with fast joints	70 (only head)
	SEZ12U	For sectional doors up to 16 sqm with 24 Vdc control unit and built-in receiver	1200 Nm	pre-assembled chain rail 3320 mm in single piece	70 (only head)
	SEZ12	For sectional doors up to 16 sqm with 24 Vdc control unit and built-in receiver	1200 Nm	chain rail 3320 mm in three pieces with fast joints	70 (only head)
	SEZ124	For sectional doors up to 16 sqm with 24 Vdc control unit and built-in receiver	1200 Nm	pre-assembled chain rail 4000 mm in single piece	70 (only head)

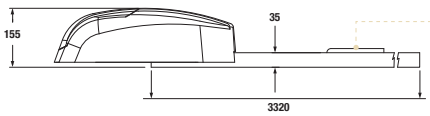
TECHNICAL DATA		SEZ7U/SEZ7	SEZ12U/SEZ12/ SEZ124
power	Vac (Vdc)	230 (24)	230 (24)
consumption power	W	100	160
motor consumption	A	4,16	6,66
protection degree	IP	43	43
strenght	N	700	1200
speed	cm/s	11	11
stroke	m	2,8	2,8/*3,5
light	V / W	25 (1x) E14	25 (1x) E14
max door size	m^2	10	16
working cycle	%	60	60
working temperature	°C	-20° + 55°	-20° + 55°
weight	kg	10,5	11

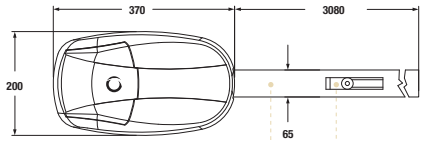
Data are subject to doors mechanical conditions (wear, spring counterbalance...) and guides typology

* with L=4000 mm rail

LIMITS USE

	Sectional	Up and over	No projecting up and over
SEZ7U/SEZ7	H max = 2,7 m m^2 max = 10 m^2	H max = 3 m m^2 max = 9 m^2	H max = 2,5 m m^2 max = 9 m^2
SEZ12U/SEZ12	H max = 2,7 m m^2 max = 16 m^2	H max = 3 m m^2 max = 14 m^2	H max = 2,5 m m^2 max = 14 m^2
SEZ124	H max = 3,4 m m^2 max = 16 m^2	H max = 3,4 m m^2 max = 14 m^2	H max = 3,2 m m^2 max = 14 m^2





Inner compact release carriage without protruding the guide volume

Anti-intrusion function

Safe and silent functioning thanks to chain transmission

ACCESSORIES

BO-SEZ

Swinging arm for counterweight overhead doors

SBCO

External unlocking system (to be applied on handle lock) L=3000 mm

STF-SEZ

Kit supplementary fixing ceiling guide

TS

Warning board

KBPK

Battery 12 V 1,2 A and battery charger for 24 Vdc motor

SBLST

Kit for unlockingwith key ratchet and metal cord

STS-SEZ

Kit 2 supplementary fixing clamps

BLINDO

ELECTROMECHANICAL IRREVERSIBLE GEAR MOTOR FOR SPRING OR COUNTERWEIGHT OVERHEAD DOORS UP TO 9 sqm, 24 Vdc AND 230 Vac

PLUS

230 Vac motor, with pre-installed opening and closing limit switch

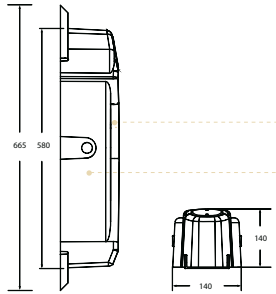
24 Vdc motor with encoder provides big safety in the obstacle detection

External release for an easy manual unlock from outside

With slowdown, soft start and soft stop granting doors integrity

Compatible with new 230Vac control unit CT-724S, (pag. 110 for technical details)

Compatible with new 230Vac control unit CT102, (pag. 108 for technical details)



High precision limit switch

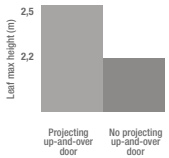
Gearbox with only metal gears

CODE	DESCRIPTION	PCS PALLET
BS-50	230 Vac motor, without control unit, with opening and closing limit switch. With internal release system and pre set for unlocking from outside	40
BS52[1]	230 Vac motor, with control unit and slowdown, with opening and closing limit switch. With internal release system and pre set for unlocking from outside. With connectors for receiver	40
24 V BS5224[2]	24 Vdc motor, with control unit, with encoder and slowdown. With release system and pre set for unlocking from outside. With connectors for receiver	40

upon stock termination of old codes [1] BS-51CS, [2] BS-50-24

TECHNICAL DATA		BS-50	BS52	BS5224
control unit		-	CT102	CT-724
power	Vac (Vdc)	230	230	(24)
consumption power	W	340	340	150
motor consumption	A	1,5	1,5	6
capacitor	µF	12,5	12,5	-
protection degree	IP	43	43	43
speed	cm/s	76	76	80
torque	Nm	350	350	350
max door size	m²	9	9	9
insulation class		1	1	1
working cycle	%	30	30	80
working temperature	°C	-20° + 55°	-20° + 55°	-20° + 55°
weight	kg	14	14	13,8

LIMITS USE



Values here above are valid if motor is used with standard accessories

ACCESSORIES

BC (1 Pc)
Standard curved telescopic arm

BCBOC (2 Pcs)
Curved telescopic arm with welded bushing

BCNS (2 Pcs)
Curved telescopic arm with driller round bar to avoid welding pipes

BD (1 Pc)
Straight telescopic arm

BDBOC (1 Pc)
Straight telescopic arm with welded bushing

BDNS (1 Pc)
Straight telescopic arm with driller round bar to avoid welding pipes

BOC (1 Pc)
Bushing

KBPKN
Kit 24 Vdc batteries, 1,3 Ah and battery charger BCN. Up to 500 kg

SBCO
External unlocking system (to be applied on handle lock) L=3000 mm

SBLST
Kit for unlocking with key ratchet and metal cord

ST-650 (1 Pc)
Motor support bracket L=650 mm

ST-1200 (1 Pc)
Motor support bracket L=1200 mm

ST-1600 (1 Pc)
Motor support bracket L=1600 mm

ST-1800 (1 Pc)
Motor support bracket L=1800 mm

TS
Warning board

TZ-1500 (2 Pcs)
1500 mm long drive shaft, complete with supports

TZ-2000 (2 Pcs)
2000 mm long drive shaft, complete with supports

VIPER KIT

FOR OVERHEAD DOORS UP TO 14 sqm AND SECTIONAL DOORS UP TO 16 sqm

PLUS

24 Vdc motor to offer full safety for residential use

Control unit and 2 channels integrated receiver

Possibility to select fix or rolling code

One or three pcs pre-assembled guide, comprehensive of joint with chain option

Adjustable motor head

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
KSEZ7U	24Vdc garage door opener 700 Nm for sectional doors up to 10 sqm with control unit and built-in receiver, pre-assembled chain rail 3320 mm in single piece	36
KSEZ7	24Vdc garage door opener 700 Nm for sectional doors up to 10 sqm with control unit and built-in receiver and chain rail 3320 mm in three pieces with fast joints	36
KSEZ12U	24Vdc garage door opener 1200 Nm for sectional doors up to 16 sqm with control unit and built-in receiver, pre-assembled chain rail 3320 mm in single piece	36
KSEZ12	24Vdc garage door opener 1200 Nm for sectional doors up to 16 sqm with control unit and built-in receiver and chain rail 3320 mm in three pieces with fast joints	36

* Kit available also in the rolling code version: **KSEZ7UR, KSEZ7R, KSEZ12UR, KSEZ12R**

KIT COMPONENTS

SUB-44W

SEZ7/
SEZ7U/
SEZ12U/
SEZ12

BLINDO KIT

FOR OVERHEAD DOORS UP TO 9 sqm

PLUS

230 Vac motor, with pre-installed opening and closing limit switch

External release for an easy manual unlock from outside

With slowdown, soft start and soft stop granting doors integrity

New water resistant SUB remote control included

CODE	DESCRIPTION	PCS PALLET
KBS52*	Kit for spring and counterweight overhead doors up to 9 sqm. 230 Vac motor, control unit with gradual departure and slowdown	18+9

* Kit available also in the rolling code version: **KBS52R**

KIT COMPONENTS

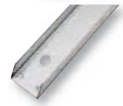
BDNS (2 PCS)

BS52

FT32

LUMY-230E

RX4



ST-650

SUB-44W

TZ-1500 (2 PCS)

User manual

keyindustry

- **WIND PRO**
  AUTOMATION FOR ONE SLIDING DOOR 160 kg
  AUTOMATION LENGTH FROM 1900 TO 4200 mm
  - Assembled automation — PA1901P, PA2101P, PA2501P, PA2901P, PA3301P, PA3701P, PA4201P
  - Custom made automation — PA151P

- **WIND PRO**
  AUTOMATION FOR TWO SLIDING DOORS 130+130 kg
  AUTOMATION LENGTH FROM 1900 TO 4200 mm
  - Assembled automation — PA1902P, PA2102P, PA2502P, PA2902P, PA3302P, PA3702P, PA4202P
  - Custom made automation — PA152P

- **WIND LIGHT PRO**
  AUTOMATION FOR ONE SLIDING DOOR 120 kg
  AUTOMATION LENGTH FROM 1900 TO 4200 mm
  - Assembled automation — PA1901LP, PA2101LP, PA2501LP, PA2901LP, PA3301LP, PA3701LP, PA4201LP
  - Custom made automation — PA151LP

- **WIND LIGHT PRO**
  AUTOMATION FOR TWO SLIDING DOORS 80+80 kg
  AUTOMATION LENGTH FROM 1900 TO 4200 mm
  - Assembled automation — PA1902LP, PA2102LP, PA2502LP, PA2902LP, PA3302LP, PA3702LP, PA4202LP
  - Custom made automation — PA152LP

WIND PRO

PLUS

Self-bearing cover for an easier inspection from outside

External digital key pad to program, select, set-up functions withoutoperating on control unit

Manual selector with knob for an easy standard functions selection

Operating status led

Battery charge monitoring

Safety device surveillance

AUTOMATION FOR SLIDING DOORS UP TO 160 Kg

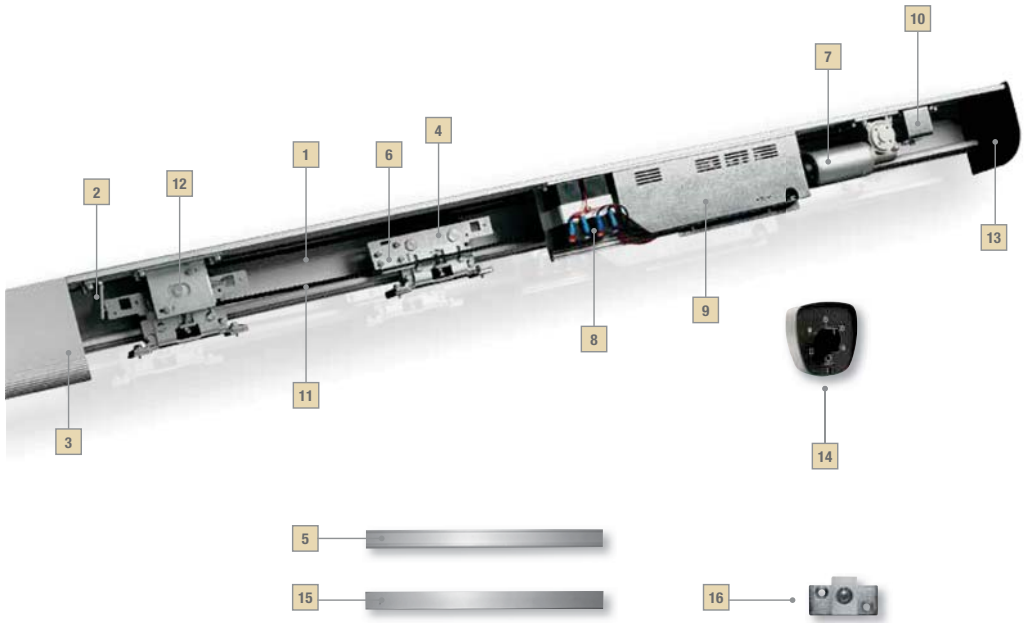
CONTROL UNIT
Equipped with connectors and terminals for the connection of:

- Main power
- Motor power
- Cyclic counter
- Battery
- Electromechanical stop
- Function selector

NEW Possibility to program the door via digital selector with display EASY

Characteristics:
Visualization of door status mode
Programming
Parameters regulation
Diagnostic
Parameters control

TECHNICAL DATA	
power supply	230 V 50/60 Hz
consumption max	150 W
accessories power	24 Vdc
battery charger	charge voltage 27,5 Vdc I max 200 mA with control in voltage
electric motor	24 Vdc maximum power 100 W
opening speed	adjustable max 70 cm/s (for leaf)
closing speed	adjustable max 60 cm/s (for leaf)
anti-crushing device	standard
opening pause time	adjustable from 0 to 60 sec.
operating temperature	-20° + 55°
transmission type	toothed belt
protection degree	IP 22
max weight one leaf	160 Kg
max weight two leaves	130 Kg + 130 Kg
use	intensive



PART IDENTIFICATION

1. 10 MICRON CHEMICAL SILVER OXIDIZED ALUMINIUM BAR AND 500 mm STEP CAPACITY
2. MECHANICAL STOP
3. OXIDIZED ALUMINIUM BOX
4. CARRIAGE
5. ADAPTOR
6. TRACTION BRACKETS
7. MOTOR WITH ENCODER
8. EMERGENCY BATTERY UNIT
9. CONTROL UNIT
10. ELECTROMECHANICAL STOP
11. BELT
12. TRANSMISSION PULLEY
13. BOX SIDE PLUG
14. DIGITAL SELECTOR WITH MICROPROCESSOR
15. FLOOR GUIDANCE
16. PLATE WITH HINGE AND NYLON BLOCK

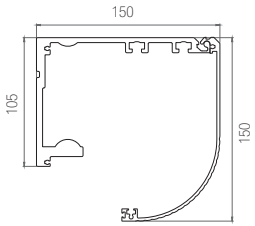
WIND PRO AUTOMATION

Key Doors are a new series of straight sliding hi-tech automatic systems for very intensive use, with high technical content and silent operation. They offer many features mixed with quality and reliability and are easy to install and program. The traction unit and the electronic control panel in one unit reduce the assembly time. Moreover Key Doors offers solutions with appropriate anti-panic break-out devices allowing easy access to escape routes.
The complete range offers solutions for all requirements of size, use and weight

TECHNICAL FEATURES

Key Doors are provided with a 24 Vdc motor, a microprocessor electronic control panel and an electronic impact-free device with encoder. Control unit learn door weight and stroke length with a simple self learning procedure. The casing is made of aluminum extrusion and, thanks to a special locating hook system, there is the possibility to "hold open" the profile cover without supporting it. Faults are displayed on the selector screen

AUTOMATION FOR SINGLE LEAF SLIDING DOOR UP TO 160 Kg



ASSEMBLED AUTOMATION INCLUDES:

CODE	DESCRIPTION	
PA151P	Kit for single leaf	
PA000	Anodized beam profile	
PA001	Anodized cover profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA023	Electric lock kit set-up for installation with cord release PA011	
PA024	Plate with hinge and nylon block (1 pc)	
PA032	Emergency battery kit 12 V - 1,2A with fixing aluminum support	

ASSEMBLED AUTOMATION AVAILABLE SIZES

CODE	NOMINAL CLEARANCE ROOM: mm	AUTOMATION LENGTH: mm
PA1901P	900	1900
PA2101P	1000	2100
PA2501P	1200	2500
PA2901P	1400	2900
PA3301P	1600	3300
PA3701P	1800	3700
PA4201P	2000	4200

For intermediate size select higher dimension

PA151P / CUSTOM MADE AUTOMATION

KIT FOR SINGLE LEAF INCLUDES:

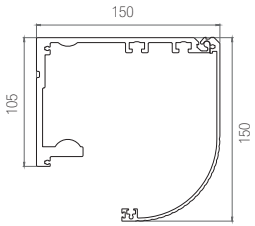
- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (1 pc)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Manual selector (1 pc)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)

OPTIONAL ELEMENTS

CODE	DESCRIPTION	
PA000	Anodized beam profile	
PA001	Anodized cover profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA023	Electric lock kit set-up for installation with cord release PA011	
PA024	Plate with hinge and nylon block (1 pc)	
PA032	Emergency battery kit 12 V - 1,2A with fixing aluminum support	

Accessories for control and security on page 100

AUTOMATION FOR DOUBLE LEAF SLIDING DOOR UP TO 130+130 Kg



ASSEMBLED AUTOMATION INCLUDES:

CODE	DESCRIPTION	
PA152P	Kit for double leaf	
PA000	Anodized beam profile	
PA001	Anodized cover profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA023	Electric lock kit set-up for installation with cord release PA011	
PA024	Plate with hinge and nylon block (2 pcs)	
PA032	Emergency battery kit 12 V - 1,2A with fixing aluminum support	

ASSEMBLED AUTOMATION AVAILABLE SIZES

CODE	NOMINAL CLEARANCE ROOM: mm	AUTOMATION LENGTH: mm
PA1902P	450 + 450	1900
PA2102P	500 + 500	2100
PA2502P	600 + 600	2500
PA2902P	700 + 700	2900
PA3302P	800 + 800	3300
PA3702P	900 + 900	3700
PA4202P	1000 + 1000	4200

For intermediate size select higher dimension

PA152P / CUSTOM MADE AUTOMATION

KIT FOR DOUBLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (2 pcs)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Manual selector (1 pc)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)

OPTIONAL ELEMENTS

CODE	DESCRIPTION	
PA000	Anodized beam profile	
PA001	Anodized cover profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA023	Plate with hinge and nylon block (2 pcs)	
PA024	Emergency battery kit 12 V - 1,2A with fixing aluminum support	
PA032	Electric lock kit set-up for installation with cord release PA011	

Accessories for control and security on page 100

WIND LIGHT PRO

PLUS

Self-bearing cover for an easier inspection from outside

External digital key pad to program, select, set-up functions without operating on control unit

Manual selector with knob for an easy standard functions selection

Operating status led

Battery charge monitoring

Safety device surveillance

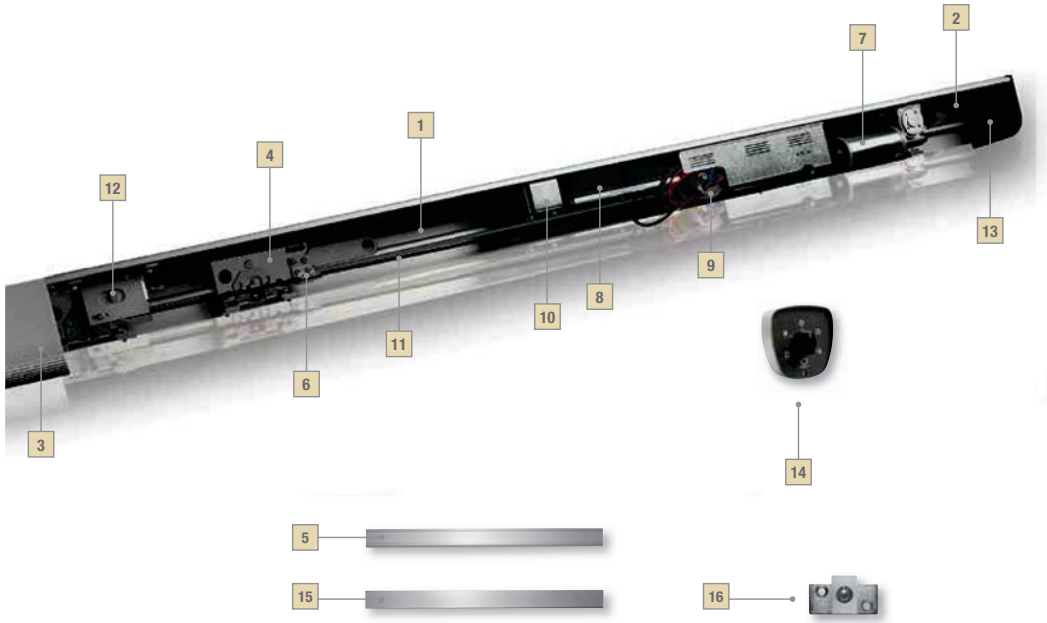
AUTOMATION FOR SLIDING DOORS UP TO 120 Kg

CONTROL UNIT
Equipped with connectors and terminals for the connection of:

- Main power
- Motor power
- Cyclic counter
- Battery
- Electromechanical stop
- Function selector

NEW Possibility to program the door via digital selector with display EASY

Characteristics:
Visualization of door status mode
Programming
Parameters regulation
Diagnostic
Parameters control



PART IDENTIFICATION

1. 10 MICRON CHEMICAL SILVER OXIDIZED ALUMINIUM BAR AND 500 mm STEP CAPACITY
2. MECHANICAL STOP
3. OXIDIZED ALUMINIUM BOX
4. CARRIAGE
5. ADAPTOR
6. TRACTION BRACKETS
7. MOTOR WITH ENCODER
8. EMERGENCY BATTERY UNIT
9. CONTROL UNIT
10. ELECTROMECHANICAL STOP
11. BELT
12. TRANSMISSION PULLEY
13. BOX SIDE PLUG
14. DIGITAL SELECTOR WITH MICROPROCESSOR
15. FLOOR GUIDANCE
16. PLATE WITH HINGE AND NYLON BLOCK

TECHNICAL DATA	
power supply	230 V 50/60 Hz
consumption max	80 W
accessories power	24 Vdc
battery charger	charge voltage 27,5 Vdc I max 200 mA with control in voltage
electric motor	24 Vdc maximum power 100 W
opening speed	adjustable max 70 cm/s (for leaf)
closing speed	adjustable max 60 cm/s (for leaf)
anti-crushing device	standard
opening pause time	adjustable from 0 to 60 sec.
operating temperature	-20° + 55°
transmission type	toothed belt
protection degree	IP 22
max weight one leaf	120 Kg
max weight two leaves	80 Kg + 80 Kg
use	intensive

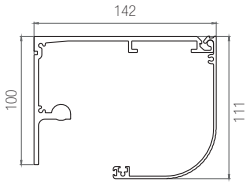
WIND LIGHT PRO AUTOMATION

Key Doors are a new series of straight sliding hi-tech automatic systems for very intensive use, with high technical content and silent operation. They offer many features mixed with quality and reliability and are easy to install and program. The traction unit and the electronic control panel in one unit reduce the assembly time. Moreover Key Doors offers solutions with appropriate anti-panic break-out devices allowing easy access to escape routes.
The complete range offers solutions for all requirements of size, use and weight

TECHNICAL FEATURES

Key Doors are provided with a 24 Vdc motor, a microprocessor electronic control panel and an electronic impact-free device with encoder. Control unit learn door weight and stroke length with a simple self learning procedure. The casing is made of aluminum extrusion and, thanks to a special locating hook system, there is the possibility to "hold open" the profile cover without supporting it. Faults are displayed on the selector screen

AUTOMATION FOR SINGLE LEAF SLIDING DOOR UP TO 120 Kg



ASSEMBLED AUTOMATION INCLUDES:

CODE	DESCRIPTION
PA151LP	Kit for single leaf
PA000L	Anodized beam profile
PA001L	Anodized cover profile
PA003	Belt
PA020	Upper adaptor profile
PA021	Floor guidance and track
PA022L	Emergency battery kit 12V - 1,2A with fixing aluminum support
PA023L	Electric lock kit set-up for installation with cord release PA011
PA024	Plate with hinge and nylon block

ASSEMBLED AUTOMATION AVAILABLE SIZES

CODE	NOMINAL CLEARANCE ROOM: mm	AUTOMATION LENGTH: mm
PA1901LP	900	1900
PA2101LP	1000	2100
PA2501LP	1200	2500
PA2901LP	1400	2900
PA3301LP	1600	3300
PA3701LP	1800	3700
PA4201LP	2000	4200

For intermediate size select higher dimension

PA151LP / CUSTOM MADE AUTOMATION

KIT FOR SINGLE LEAF INCLUDES:

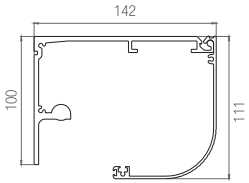
- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (1 pc)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Manual selector (1 pc)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)

OPTIONAL ELEMENTS

CODE	DESCRIPTION
PA000L	Anodized beam profile
PA001L	Anodized cover profile
PA003	Belt
PA020	Upper adaptor profile
PA021	Floor guidance and track
PA022L	Emergency battery kit 12V - 1,2A with fixing aluminum support
PA023L	Electric lock kit set-up for installation with cord release PA011
PA024	Plate with hinge and nylon block

Accessories for control and security on page 100

AUTOMATION
FOR DOUBLE LEAF SLIDING DOOR
UP TO 80+80 Kg



ASSEMBLED AUTOMATION INCLUDES:

CODE	DESCRIPTION	
PA152LP	Kit for double leaf	
PA000L	Anodized beam profile	
PA001L	Anodized cover profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA022L	Emergency battery kit 12V - 1,2A with fixing aluminum support	
PA023L	Electric lock kit set-up for installation with cord release PA011	
PA024	Plate with hinge and nylon block	

ASSEMBLED AUTOMATION AVAILABLE SIZES

CODE	NOMINAL CLEARANCE ROOM: mm	AUTOMATION LENGTH: mm
PA1902LP	450 + 450	1900
PA2102LP	500 + 500	2100
PA2502LP	600 + 600	2500
PA2902LP	700 + 700	2900
PA3302LP	800 + 800	3300
PA3702LP	900 + 900	3700
PA4202LP	1000 + 1000	4200

For intermediate size select higher dimension

PA152LP / CUSTOM MADE AUTOMATION

KIT FOR DOUBLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (2 pcs)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Manual selector (1 pc)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)

OPTIONAL ELEMENTS

CODE	DESCRIPTION	
PA000L	Anodized bean profile	
PA001L	Anodized beam profile	
PA003	Belt	
PA020	Upper adaptor profile	
PA021	Floor guidance and track	
PA022L	Emergency battery kit 12V - 1,2A with fixing aluminum support	
PA023L	Electric lock kit set-up for installation with cord release PA011	
PA024	Plate with hinge and nylon block	

Accessories for control and security on page 100

WIND PRO AND WIND LIGHT PRO ACCESSORIES

AUTOMATIC DOOR
AUTOMATIC DOOR

AD-PA
Adhesive automatic doors R + L (5 pcs)

CARD
Transponder card (10 pcs)

DECODER
Decoder for digital key pad **SEL-D**

KOMSCA
Kit cable supports PA-PAL (10 pcs)

PA011
PA011L
Complete kit for manual release

BMET
External metal box for motor release including action button

DECSEL-T
Decoder for proximity sensor for transponder cards **SEL-T**

EASY
Digital pad with graphic display 128x64 pixel for automatic doors

KPAFCO
Carter supports

PA012
Infra red volumetric radar

PA012MW
Microwave bidirectional sensor

PA025CT
Active infrared radar sensor

SEL-D
Wired digital key pad

SEL-T
Proximity sensor for transponder cards

SPA25
Brush h 25 mm for glass doors

TAG
Proximity tag with key ring

PA014S
Photocells kit with electronic board

RXM23
Universal radio 2 channels, external, fix or rolling code

SEL-R
Radio controlled digital key pad

SMNPAE
Manual selector for automatic sliding gates

SUB-44WRT
4 channels, rolling code, 433,92 MHz transmitter, with trasponder

ANTI-PANIC SYSTEMS

CODE	DESCRIPTION	
KITANSTSF1	Full anti-panic crash system for one door with max length 1100 mm (not certified)	
PA033	Upper anti-panic adaptor profile	
PA034	Lower anti-panic adaptor profile	
KITANTSF2C	Anti-panic system kit for single leaf up to 1300 mm (certified)	

FASTENING KIT FOR GLASS DOOR

CODE	DESCRIPTION	
PA005E	Fastening kit for glass door 1500 mm Maximum glass thickness 1 cm	
PA031	Nylon inferior support for sliding glass door (1pc)	

KEYAccessories

Control units

14A 106
CT102 108
CT202 109
Go 24 110
Go 230 111
Go 400 112

Accessories

Sub 116
Orion 118
Memo 118
Rx4 119
Rx2H 119
Memo Acces 120
Sekur FT 121
Sekur CH 122
Sekur C 123
Sekur D/T 124
Lumy 125
Eclipse 126
Sekur CO/COR 128
Sekur CO-W 129

24 Vdc
CONTROL UNITS

PLUS

- NEW New generation control unit "One For All" to control all 24Vdc automations
- Night Light System to control Led light during night hours
- With 14A: Possibility to combine the power modules according to the installation (1 or 2 motors)
- Same programming for different systems
- Wide display in different languages to program both the motor and the radio receiver
- Compatible with main domotic systems
- Amperometric obstacle detection with run inversion
- Standard or programmable slowdown in opening and closing
- Pedestrian programmable automatic closing
- Separate OPEN-STOP-CLOSE inputs and PP - Pedestrian input
- Safety edge 8,2K ohm NC - photo 1 and photo 2
- Inputs and safety devices LED visualization
- Optional test for safety edge
- LED courtesy light output
- Open gate indicator
- Plug-in programmable radio receiver 4 channels
- For motors with or without encoder
- Flashing light output with user indicator
- Electrolock output
- Battery back-up possibility

Control unit in box for two 24Vdc motors

14A control unit

4 channels plug-in receiver for 14A

Logic mainboard 14A

24Vdc 10A power module for 14A

Display module for 14A

CODE	DESCRIPTION
14AB	Control unit in box for two 24Vdc motors (without DY and without receiver RX4)
DY	Display module for 14A (optional)
MA24	Logic mainboard 14A
PO24	24Vdc 10A power module for 14A
RX4	4 channels plug-in receiver for 14A

TECHNICAL DATA		14A
power	Vac / Hz	230/50
output accessories power	Vdc / mA	24/300
working time	sec	180
protection degree	IP	54
operating temperature	° C	-20° + 55°

14A ACCESSORIES

DY

Display module for 14A

DISPLAY FUNCTIONS:

System programming
Radio codes programming (if receiver on board)
Diagnostics
Motor control

CT102 — 230 Vac CONTROL UNITS

PLUS

NEW Standard programming logic for all control boards CT102, CT202, CT724, 14A with run inversion via software

Amperometric obstacle detection with run inversion

Standard or programmable slowdown in opening and closing

Pedestrian programmable automatic closing

Separate OPEN-STOP-CLOSE inputs and PP - Pedestrian input

Safety edge 8,2K ohm NC - pho-to 1 and photo 2

Inputs and safety devices LED visualization

Flashing light output fixed or flashing

LED courtesy light output or spia open gate indicator

3 digit display

Optional phototest

Optional test for safety edge

New plug-in radio receiver 4 channels RX4

CT102 *

CODE	DESCRIPTION
CT102	For one sliding, overhead or barrier. With electric clutch and connectors for receiver, slowdown in opening and closing

* Included inside motors: SC52- SC52M- SC82- SC82M- SC122- SC122M- SC162- SC162M- SC204CS- BS52

TECHNICAL DATA		CT102
power	Vac / Hz	230 / 50
output accessories power	Vdc / mA	24 / 300
working time	sec	adjustable
pause time	sec	0-900
protection degree	IP	-
operating temperature	° C	-20° + 55°
power	W	700

CT202 — 230 Vac CONTROL UNITS

PLUS

NEW Standard programming logic for all control boards CT102, CT202, CT724, 14A with run inversion via software

Amperometric obstacle detection with run inversion

Standard or programmable slowdown in opening and closing

Pedestrian programmable automatic closing

OPEN-STOP-CLOSE inputs and PP - Pedestrian input

Safety edge 8,2K ohm NC - pho-to 1 and photo 2

Inputs and safety devices LED visualization

Flashing light output fixed or flashing

LED courtesy light output or spia open gate indicator

Programmable electrolock or power contact (5A)

Pressure control for hydraulic motors

3 digit display

Optional phototest

Optional test for safety edge

New plug-in radio receiver 4 channels RX4

CT202

CODE	DESCRIPTION
CT202	For two swing 230 Vac motors. With electric clutch option, connectors for receiverand slowdown. In box

TECHNICAL DATA		CT202
power	Vac / Hz	230 / 50
output accessories power	Vdc / mA	24 / 200
output accessories power	Vac / mA	24/ 230
electric lock	VA/ ac	15/ 12
gate open light	mA	55
working time	sec	adjustable
pause time	sec	0-900
protection degree	IP	54
operating temperature	° C	-20° + 55°
power	W	700+700

GO 24 PLUS

24 Vdc CONTROL UNITS

New generation control unit with LCD display

Soft start and soft stop function availability

Motor speed regulation and safety edge connection possibility

CT-724S, new self-programming control unit for 1 motor 24 Vdc

Provided with safety and LED command indication

Easy configuration with LCD display with 2 programming levels: basic and advanced one.

Flashing light, courtesy light and gate open light exit can be set up separately

Electronic protection to motor short-circuit, with rapid intervention

Electronic protection to overcharge

Overcharge protection

Self diagnosis through flashing light and display

New generation NI-MH batteries as optional on board (optional)

CT-824S

CT-724S*

CODE	DESCRIPTION
CT-824S	For two motors, 24 Vdc switching with encoder, battery charger and connectors for receiver
CT-724S*	For one sliding,overhead motor or barrier 24 Vdc, with encoder

* Included inside motors: SC4224- SC7224- SC11224- BR4-24KP- BR-624KP- BR4-24P- BR-624P- BS5224

TECHNICAL DATA		CT-824S	CT-724S
power	Vac / Hz	230 / 50	24 / 50
output accessories power	Vdc / mA	24 / 400	24 / 300
working time	sec	2-180	2-180
protection degree	IP	54	-
operating temperature	° C	-20° + 55°	-20° + 55°

GO 230 PLUS

230 Vac CONTROL UNITS

Easy programming

NEW CT-1EBR:

Possibility to do the self-learning process via radio, by following a pre-set sequence.

Limit switch control

Stop safety control + photocell

Flashing light exit and gate open light

CT-2

CT-1EB/ CT-1EBR

CODE	DESCRIPTION
CT-2	For two swing 230 Vac motors. With electric clutch and connectors for receiver, logical control card and connectors for receiver. In box
CT-1EB/EBR	For one rolling shutter motor 230 Vac. With electric clutch and radio decoder. fix code or rolling code. In box

TECHNICAL DATA		CT-2	CT-1EB/EBR
power	Vac / Hz	230 / 50	230 / 50
output accessories power	Vdc / mA	24 / 400	24 / 300
working time	sec	60	2-60
pause time	sec	2-180	-
protection degree	IP	54	54
operating temperature	° C	-20° + 55°	-20° + 55°

GO 400

PLUS

NEW For industrial motor

Suitable for intensive and long-lasting use

Compatible with plug-in receivers RXM23, RXM-44, RXM-44R, RXM 230-42

Electronic obstacle detection with amperometric control

Internal and external brake

Closing function after transit

Separate OPEN-STOP-CLOSE inputs and PP - Pedestrian input

Programmable safety edge parameter

Open gate indicator

Phototest function

Compatible both with monophase 230V or three-phase 400V/230V motors

400 Vac CONTROL UNITS

CT400

CT401

CODE	DESCRIPTION
CT400	For one sliding or industrial sectional doors 400 Vac / 230 Vac motor and electric clutch. In box
CT401	For one sliding or industrial sectional doors 400 Vac / 230 Vac motor and electric clutch. In box with control buttons

TECHNICAL DATA		CT400 / CT401
power motore	Vac / Hz	400-230 / 50
max motor load	W	2000
output accessories power	Vdc / W	24 / 15
working time	sec	0-120
pause time	sec	0-120
protection degree	IP	54
operating temperature	° C	-20° + 55°

ACCESSORIES GO 24/GO 230/GO 400

COMMON ACCESSORIES

RX4

4 channels plug-in receiver, fix or rolling code. In box

RXI23

2 channels plug-in receiver, fix or rolling code

RXM23

2 channels universal receiver external, fix or rolling code

ACCESSORIES GO 24

BAT-12-2A (for CT-824S) (1pc)

Battery 12 V 2 A

KBP (for 14A)

Leaded battery back-up kit for 14A

KBPKN2 (for CT-724S)

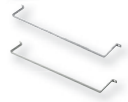
Kit 24 Vdc batteries, 2,2 Ah and battery charger BCN, from 500 kg for extreme performance

BOXKEY

Plastic box for two motors control unit

KBPKN (for CT- 724S)

Kit 24 Vdc batteries, 1,3 Ah and battery charger BCN. Up to 500 kg



KITFIXBATT

Kit fixing batteries 24 Vdc for **BOXKEY** (2 PCS)

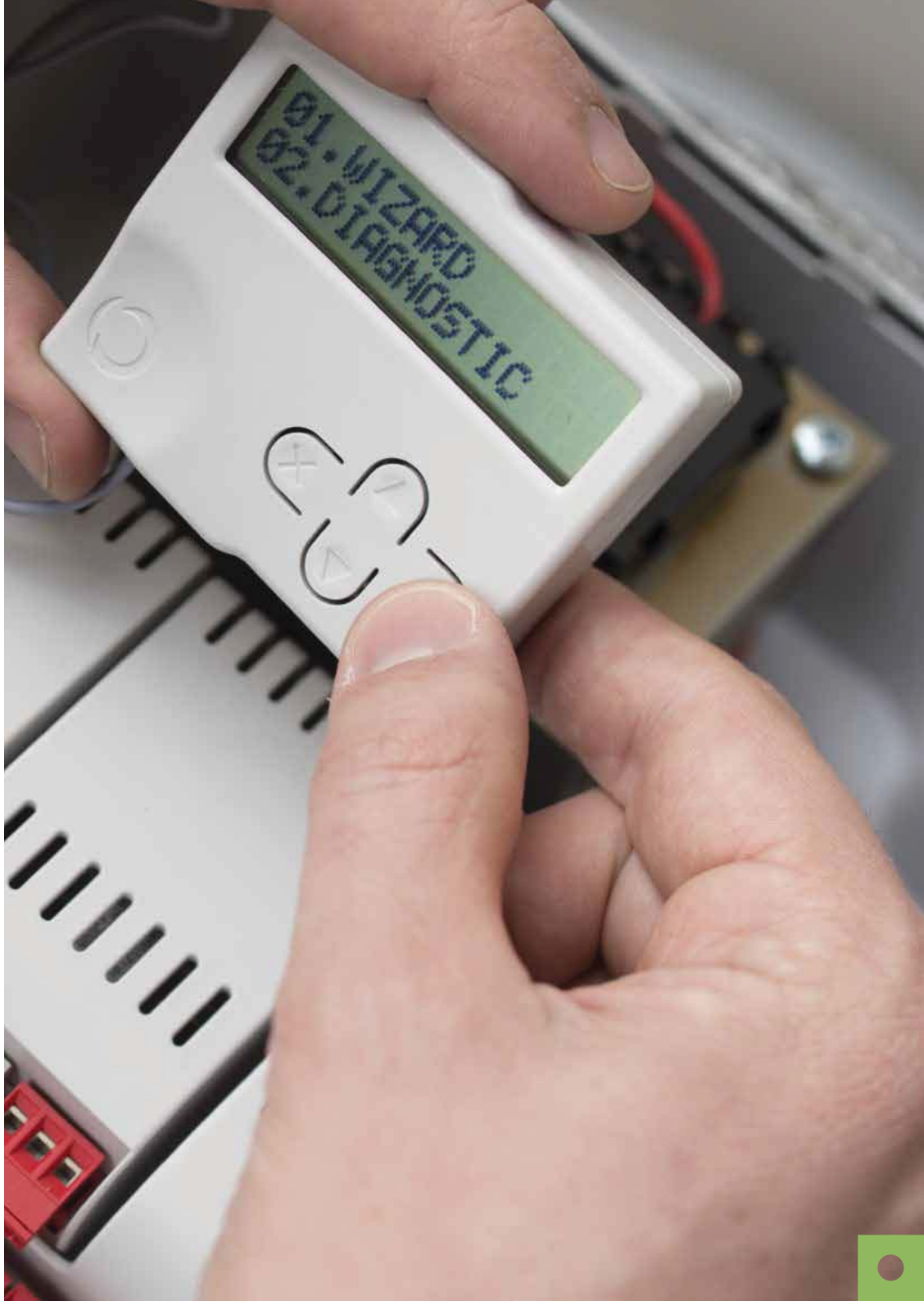
ACCESSORIES GO 230

BOXKEYS

Plastic box for one motor control unit

PROGRAMMABLE FUNCTIONS

	14A	CT-24M	CT-SEZ	CT-724	CT-824S	CT-1E/R	CT102	CT202	CT-2	CT400	CT-401
Motor power	24 Vdc					230 Vac				400 Vac	
Motors n.	1				2	1		2		1	
Hold to run	●			●			●	●		●	●
Semi automatic functioning	●	●	●	●	●	●	●	●	●	●	●
Automatic functioning	●	●	●	●	●	●	●	●	●	●	●
Condominium function (only open)	●	●	●	●	●	●	●	●	●	●	●
Pre-flashing	●			●	●		●	●	●	●	●
Photo during opening	●	●		●	●		●	●	●	●	●
Soft start	●	●	●	●	●		●	●			
Soft stop	●	●	●	●	●						
Courtesy light	●	●	●	●	●		●	●	●		
Open gate light with proportional flashing light	●	●		●	●	●	●	●	●	●	●
Slowdown function	●	●	●	●	●		●	●			
Water hammering	●				●			●	●		
Electric limit switch exclusion	●			●	●	●			●		
Temporary pause in opening	●	●		●	●	●	●	●	●		
Step by step function (open-stop-close-stop)	●	●	●	●	●	●	●	●	●	●	●
Separate open and close	●			●			●	●	●	●	●
Working time extension						●		●	●		
Pause time with presence detector	●	●	●	●	●		●	●			●
1st motor delay during opening	●				●			●	●		
Brake							●	●		●	●
Cycles counter	●		●	●	●		●	●			
Display	●		●	●	●		●	●			
Encoder	●	●	●	●	●						
Close after passage	●			●	●		●	●			●
Pedestrian opening	●	●		●	●		●	●	●	●	●
Elettrolock	●				●			●	●		
Stand by	●	●		●							
Black-out settings	●		●	●			●	●			
Safety edge connection	●			●	●		●	●		●	●



SUB

PLUS

Water resistant

Ergonomic, simple and modern design

Valuable materials and tidy details thanks to the new generation tri-injection molding process

Metal chromed insert

Different interchangeable colors

WATER RESISTANT 4 CHANNELS TRANSMITTER

CODE	DESCRIPTION
SUB-44W	4 channels, fix code, 433,92 MHz transmitter. White color
SUB-44WR	4 channels, rolling code, 433,92 MHz transmitter. White color
SUB-44WN	4 channels, copier, 433,92 MHz transmitter. White color
SUB-44WRT	4 channels, rolling code, 433,92 MHz transmitter, with trasponder. White color
SUB-44	4 channels, fix code, 433,92 MHz transmitter. Black color
SUB-44R	4 channels, rolling code, 433,92 MHz transmitter. Black color
SUB-44N	4 channels, copier, 433,92 MHz transmitter. Black color

SUBFamily

	CODE	DESCRIPTION
	KCOSUBO	Kit 10 pcs orange cover for Sub (upper + lower)
	KCOSUBB	Kit 10 pcs blue cover for Sub (upper + lower)
	KCOSUBD	Kit 10 pcs gray cover for Sub (upper + lower)
	KCOSUBM	Kit 10 pcs magenta cover for Sub (upper + lower)
	KCOSUBR	Kit 10 pcs red cover for Sub (upper + lower)
	KCOSUBG	Kit 10 pcs green cover for Sub (upper + lower)
	KCOSUB	Kit 10 pcs black cover for Sub (upper + lower)
	KCOSUBW	Kit 10 pcs white cover for Sub (upper + lower)
NEW	KSUB44OR	Kit 10 Sub-44 rolling code orange (fixed code version without final "R")
NEW	KSUB44BR	Kit 10 Sub-44 rolling code blu (fixed code version without final "R")
NEW	KSUB44DR	Kit 10 Sub-44 rolling code grey (fixed code version without final "R")
NEW	KSUB44MR	Kit 10 Sub-44 rolling code magenta (fixed code version without final "R")
NEW	KSUB44RR	Kit 10 Sub-44 rolling code red (fixed code version without final "R")
NEW	KSUB44GR	Kit 10 Sub-44 rolling code green(fixed code version without final "R")
NEW	KSUB44WR	Kit 10 Sub-44 rolling code white (fixed code version without final "R")
NEW	KSUB44R	Kit 10 Sub-44 rolling code black (fixed code version without final "R")

ORION

2 CHANNELS TRANSMITTER 433 Mhz

TXB-42

TXB-42R

TXB-42N

CODE	DESCRIPTION
TXB-42	2 channels fix code 433.92 MHz
TXB-42R	2 channels rolling code 433.92 MHz
TXB-42N	2 channels copier 433.92 MHz

MEMO

UNIVERSAL AND PLUG-IN RECEIVERS

RXI23

RXM23

RXM-44
RXM-44R

RXM-230-42

CODE	DESCRIPTION
NEW RXI23	2 channels plug-in receiver, fix or rolling code, 200 codes
RXM23	2 channels universal receiver, external, fix or rolling code, 200 codes. In box
RXM-44	4 channels universal receiver, fix code, 400 codes. In box
RXM-44R	2 channels universal receiver, fix code, 220 codes. In box
RXM-230-42	2 channels universal fix and rolling code receiver, 400 codes

TECHNICAL DATA		RXI23	RXM23	RXM-44 RXM-44R	RXM-230-42
reception frequency	MHz	433,920	433,920	433,920	433,920
power	Vac / (Vdc)	24	12 / (24)	12 / (24)	230
idle consumption	m A	12	12	12	16
sensitivity	dBm	-109	-109	-109	-108
relay contacts max suply	A	1	1	1	8
relay contacts max voltage	Vdc	24	24	24	230
operating temprature	°C	-20° + 55°	-20° + 55°	-20° + 55°	-20° + 55°

ACCESSORIES

RX4 NEW

PLUG-IN RECEIVERS

PLUS

Plug-in receiver with fixed or rolling code automatic selection

4 channels output

Memory up to 1000 codes

RX4

RX4K

CODE	DESCRIPTION
RX4	4 channels plug-in receiver, fix or rolling code, 200 codes
RX4K	4 channels plug-in receiver, fix or rolling code, 1000 codes

RX2H NEW

MINIATURIZED DOMOTIC CONTROL UNIT

PLUS

For the control of 230Vac/110Vac main voltage loads with power up to 1000W

2 indipendent channels

Easy programming with led and buzzer

Memorize up to 30 transmitters

Internal connection plug

Manage two time sensors for automatic switch-off

Maximum flexibility in the single control of two outputs with different modes: mono-stable, bi-stable, temporized, motor control

CODICE	DESCRIZIONE
RX2H	Miniaturized control unit for management of awnings and shutters, wireless lighting systems. Possibility to add control points for lighting via cable. L=42 mm A=21 mm P=36 mm. Fixed or rolling code version

MEMO ACCES

SYSTEM FOR USERS CODES MANAGEMENT

PLUS

12/24 Vac/dc or via USB power

Communication software

700 codes management

User data registration

Possibility to back-up on PC / memory support

Single code cancellation via PC

4 relè exit with contacts on change NC/NO (1A/24V AC/DC)

Relé exit scheduled function: Impulsive-Timer_Bi-stable

Memory learning block

Password PIN setting

RXM-440R

CDUSB

CODE	DESCRIPTION
CDUSB	CD-ROM for the installation of the program for users' code managing, USB cable and antenna
RXM-440R	Receiver 4 channels, rolling code, programmable, 700 codes

TECHNICAL DATA		RXM-440R
reception frequency	MHz	433,92
power	Vac/dc	12/24
idle consumption	m A	16
sensitivity	dBm	-108
relay contacts max supply	A	1
relay contacts max voltage	Vac/dc	24
operating temperature	°C	-20° + 55°

SEKUR FT

PHOTOCELLS

PLUS

NEW New logic circuit with improved performance

Snow function: in case of frequent dimming or darkening photocell can activate adaptative temporized mode to avoid false obstacles detection

Two programmable range

FT32

FT22

FT42

FT-41

CODE	DESCRIPTION
FT32	Pair of photocells for external use and flush mounting (90x80x33 mm)
FT22	Pair of photocells for external use for small pillars (80x30x28 mm)
FT42	Pair of photocells for external use adjustable through 180°, for small pillars (120x30x30 mm)
FT-41	Pair of photocells for external use adjustable through 180°, for small pillars with battery power

TECHNICAL DATA		FT32 / FT22 / FT42	FT-41
range	m	20	20
power	Vac / Vdc	12 / 24	12 / 24
consumption rx	m A	30	30
consumption tx	m A	20	0,04
relay contacts max supply	A	1	1
relay contacts max voltage	Vdc	24	24
working temperature	°C	-20° + 55°	-20° + 55°

SEKUR CH

POSTS FOR PHOTOCELLS

CH-51 CH-101 CH-101S

	CODE	DESCRIPTION
	CH-51	Couple of support posts H 50 cm with anodized aluminum
	CH-101	Couple of support posts H 100 cm with anodized aluminum
NEW	CH-101S	Couple of support posts H 100 cm with anodized aluminum with selector support
	CH-50	Couple of support posts H 50 cm with aluminum
	CH-100	Couple of support posts H 100 cm with aluminum

SEKUR C

KEY SWITCHES

SEL-M SEL-EU

CODE	DESCRIPTION
SEL-M	Key switch
SEL-EU	Key switch with European cylinder

ACCESSORIES

BAT-3
Kit battery for **FT-41**

SUMCH
Support head for photocell and column digital key pad

MUR-P
Plastic wall support

SEKUR D/T

PLUS

NEW Digital key pad with new design interface, back-lighting and 2 channels transmitter

DIGITAL KEY PAD AND TRANSPONDER

SEL-D
SEL-R

SEL-T

CODE	DESCRIPTION
SEL-D	Wired digital key pad, to be ordered together with **DECODER**
SEL-R	Radio controlled digital key pad to be ordered together with all rolling code receivers with batteries included
SEL-T	Proximity sensor for transponder cards, to be ordered together with **DECSEL-T**

ACCESSORIES

370BATDIG

Batteries kit for **SEL-R**

DECODER

Decoder for digital key pad **SEL-D** (max 70 memory codes)

RXM23

2 channels universal receiver external, fix or rolling code

TAG

Proximity tag with key ring

CARD

Transponder card (10PCS)

DECSEL-T

Decoder for proximity sensor for transponder cards **SEL-T** (max 500 memory codes)

SUB-44WRT

4 channels, 433,92 MHz transmitter, with trasponder

LUMY

FLASHING LIGHTS

CODE	DESCRIPTION
LUMY-24	24 Vdc flashing light, 25 W, with antenna
LUMY-230	230 Vac flashing light, 25 W, with antenna and internal board for flashing light control
LUMY-230E	230 Vac flashing light, 25 W, with antenna

ACCESSORIES

ANTS-433

433 MHz, aerial with steel bracket and 5 mrg-58 cable 3000 mm

SULU

Support for **LUMY**

500RG-58

Coaxial cable rg-58

ECLIPSE

LED FLASHING AND COURTESY LIGHT

PLUS

NEW New generation Led flashing light made of high-technological materials molded with bi-injection process

Multiple positioning both horizontally and vertically

Flashing light + courtesy light

Flashing light with blinking amber color LED light when automation is activated

Courtesy light: fixed white led light commanded by an internal crepuscolar sensor. Courtesy light is automatically activated indipendently from the automation (with 14A control board)

Integrated antenna with radio board

CODE	DESCRIPTION
ECLIPSE	Led flashing and courtesy light with crepuscular sensor and built-in antenna

1

2

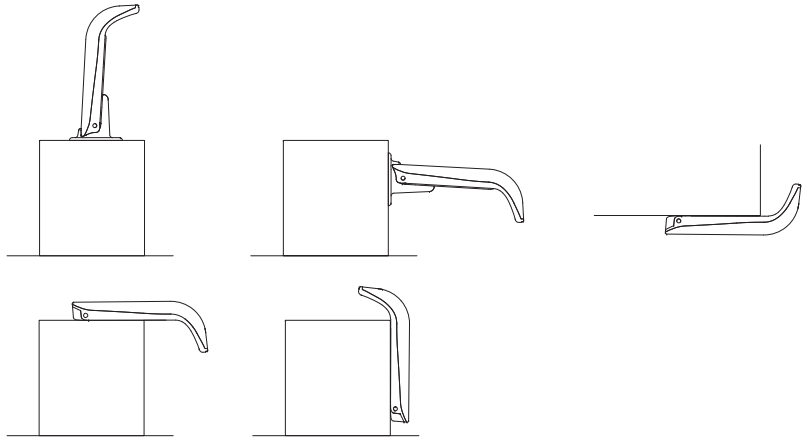
3

4

5

1_Horizontal installation on column
2_Horizontal installation on wall
3_Vertical installation on wall
4_Vertical installation on wall
5_Vertical installation on column

FIXING POSITIONS



TECHNICAL DATA		ECLIPSE
power	Vdc	24 V 3 W (max)
courtesy light	Vdc	24
led flashing	Vdc	24
antenna frequency	MHz	433,92 MHz
maximum cycle operation (led flashing)	%	50%
maximum cycle operation (courtesy light)	%	100%
protection degree	IP	IP 44
operating temperature	°C	-20° + 55° C
colour (led flashing)	-	Amber
colour (courtesy light)	-	White
dimensions (L - P - H)	mm	75 - 98 - 190

SEKUR CO/COR

SAFETY EDGES

CODE	DESCRIPTION
COMS16	Mechanic safety edge, 1,6 m long for sliding gates. With micro-switches
COMS20	Mechanic safety edge, 2,0 m long for sliding gates. With micro-switches
COMS25	Mechanic safety edge, 2,5 m long for sliding gates. With micro-switches
COMB12	Mechanic safety edge, 1,2 m long for overhead doors. With micro-switches
COMB18	Mechanic safety edge, 1,8 m long for overhead doors. With micro-switches

Safety devices o be fitted on automatic closing systems. Control board and resistance
With line **COMB** obligad: **ANGDX**, **ANGSX**, **TAPDX**, **TAPSX**, **GIUN**

SEKUR CO-W NEW

PLUS

Radio receiver-transmitter system for maximum safety and fast installation

Bidirectional 868MHz transmission

Up to 8 transmitters for each receiver

4 different frequencies to avoid interference

Possibility to connect mechanical or resistive safety edge 8.2kohm

Hermetic box

2 years battery duration (5 years with power saving mode)

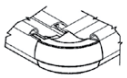
RADIO SAFETY EDGE SYSTEM AND 8,2 KΩ

COMTX

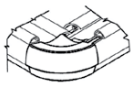
COMRX

CODE	DESCRIPTION
COMTX	866MHz radio transmitter for safety edge
COMRX	866MHz radio receiver for safety edge control
KCOMW	Radio transmitter and receiver kit with batteries included

ACCESSORIES



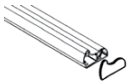
ANGDX
Right angle joint



ANGSX
Left angle joint

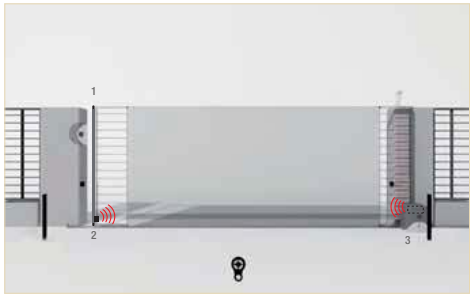
GIUN
Joints

TAPDX
Right finishing cap

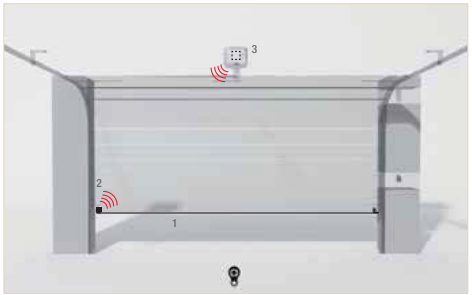


TAPSX
Left finishing cap

STANDARD INSTALLATION



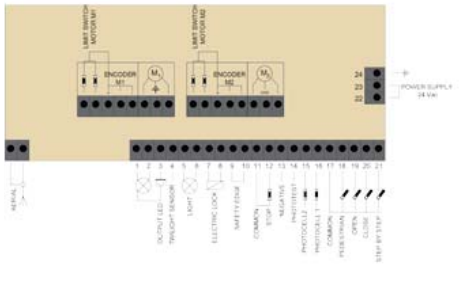
1 Edge system
2 Transmitter
3 Receiver



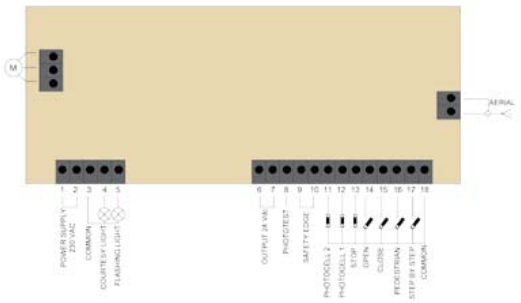
1 Edge system
2 Transmitter
3 Receiver

CONTROL UNITS
ELECTRIC DIAGRAMS

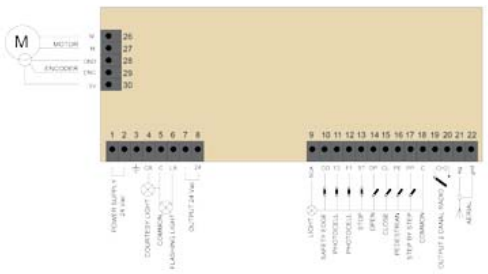
14A



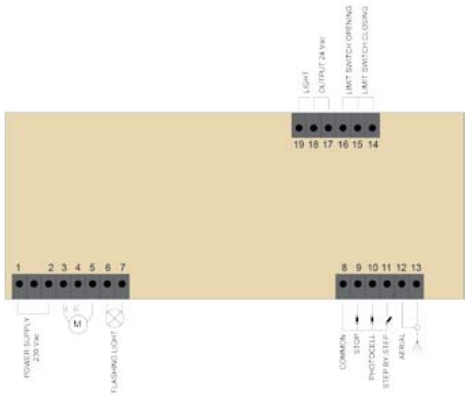
CT102



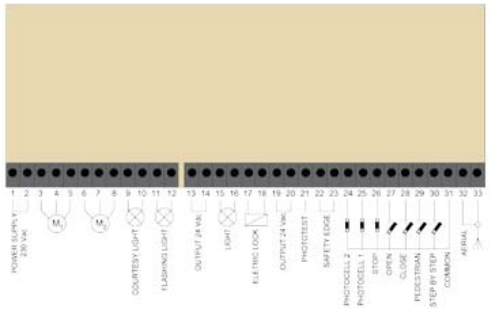
CT-724S



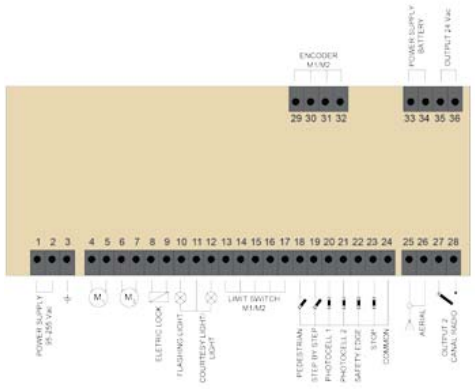
CT-1EB/CT-1EBR



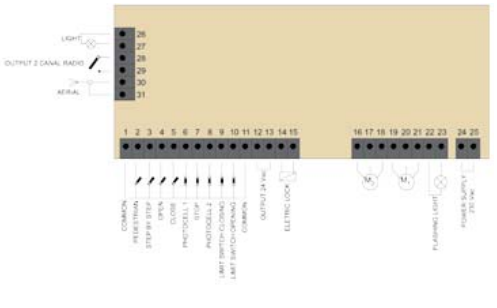
CT202



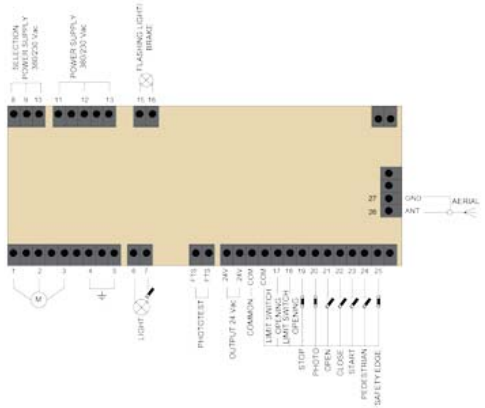
CT-824S



CT-2



CT400 - CT401



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GENERAL TERMS OF SALE

1. EFFECTIVENESS OF THESE GENERAL CONDISTIONS OF SALE
These general conditions of Sale will replace all previous conditions and are applicable to all orders submitted to Key Automation S.p.a. (hereinafter referred to as Key Automation) for products carrying the Key Automation trade mark. All sales of goods by Key Automation to its Customers (hereinafter referred to as Customer) shall be governed by the following General Conditions of Sale, which shall constitute an integral part of any agreement for the sale of goods between Key Automation and Customer, and shal supersede and cancel any inconsistent covenant or provision contained in the order or other document issued by th Customer. Illustrations, descriptions, values tables and other materials contained in Key Automation catalogues and other printed materials are for the sole purpose of identification, and may be modified by Key Automation at any time without prior notice.

2. ORDERS
Any orders shall be deemed as issued "subject to availability of the goods and any alteration of the price lists". Key Automation reserves the right to accept or reject, in whole or in part, any order submitted by the Customer, on account of their compliance with these General Conditions, and of the availability of the goods order. Key Automation reserves the right to change/modify the technical characteristics of its products at any time and without prior notice or liability. Orders placed by the customer cannot be cancelled by the Customer, either wholly or partially, after ten days of being submitted to Key Automation: if any orders are cancelled after such term, Key Automation shall be entitled to payment of the whole price.

3. PRICES
The goods shall be sold by Key Automation to Customer at the prices set out in the Key Automation price list effective at the time of delivery. The Customer shall inconditionally accept any variation of the price list made between the time of order and the time of delivery. Any new Key Automation price list cancels and substitutes the previous ones. All prices in the Key Automation catalogue are "ex factory" and before tax.

4. DELIVERY TERMS
All goods shall be delivered "ex factory" Key Automation S.r.l., via Volta 30 30020 Noventa di Piave (Venezia).
Except for different written agreement delivery terms are 10 days for National shipment and 30 days for International shipment, a part for products signed on price list with red sign on right part of paper, which have a delivery time of 6 weeks. Delivery terms start from customer acceptation of Key Automation order confirmation. In case of delay of delivery not exceed in customary allowances, the Customer shall not be entitled to claim for termination, in whole or in part, of the agreement, or to refuse to accept delivery of the goods, or to claim compensation for damages. The obbligation to deliver the goods shall be fullfilled upon delivery of the goods to the carrier. Key Automation shall be released from the obligation to deliver the goods in any event of "Act of God" or "force majeure", such as strikes, social and political disorders, unavailability of raw materials, electrical components or other products, and any other events preventing Key Automation from delivering the goods, for which Key Automation is not responsible.

5. SHIPMENTS
The goods shall be shipped on such carrier(s) as Key Automation may select, and Key Automation shall charge the relevant amount to the Customer including in the relevant invoice.The customer may agree with Key Automation at the time of order, to use a different carrier (always at the customer costs, or to collect the goods directly ex factory Key Automation S.r.l., Noventa di Piave, Venezia. All risks shall pass to the Customer at the time of delivery. Thefts, losses, damages, shortfalls shall not release the Customer from the obligation to pay the price, if the goods have been duly delivered to the carrier at Key Automation factory. The goods shall not be covered by insurance, unless expressily required by the Customer and at Customer's cost and risk.

6. COLLECTION OF THE GOODS
The Customer shall properly collect the goods as soon as they are put at the Customer's disposal, and communicated to him through telephone, fax or e-mail. In case of delay, Key Automation shall be entitled to full payment of the price and reimbursement for any cost of storage and custody of the goods, saving any compensation for damages. Key Automation shall not be liable in respect of any damage resulting directly or indirectly from the storage of any goods not collected when available at the Key Automation wharehouses of the carrier, forwarding agent or third parties.

7. WARRANTY
Our guarantee takes effect from the date of manufacturing, put on each Key's product and it lasts for 30 months.
This warranty period is fix and imperative. It is limited exclusively to the repair or replacement free of charge of the parts recognised by Key Automation as faulty due to lack of essential qualities in the material or to errors in workmanship. Any complaints about apparents defects shall be claimed to Key Automation compulsory no later than 8 days after delivery and occult defects within 8 days from discovery. If these terms are not respected the warranty is not be valid. Complaints never allow the order reducing or cancellation from Customer, and moreover never allow Key Automation refund or compensation. All expenses related to delivery and dispatch of complained material are charged to the customer.

Key Automation shall not be responsible for any direct or consequential damage or inquiry caused by installation and use of any equipment. In the event of totally or partially irreparable equipment, Key Automation shall arrange for its replacement in the state in which it is or, upon explicit request of the customer, shall repair the same by replacing the irreparable parts, charging the customer with the whole cost of the new parts supplied. Key Automation shall not be held responsible for defects resulting from connection, combination, or interaction of its products with other products not supplied by Key Automation. Key Automation products can only be used in combination with other Key Automation' s products, failing which this warranty will cease to be effective. Key Automation disclaims all liability for defects or damage resulting from failure to comply with its assembly and wiring instructions, or with any electrical codes or other regulations locally in force at the time of installation. Moreover the Manufacturer disclaimes all responsibility for defects or damage resulting from improper installation, use or connection of any accessories and/ or electrical or mechanic components manufactured by Key Automation, including failure to comply with the diagrams and types of connections for which these products have specifically been designed, as well as for the use or application of these products for purposes other than those for which they are intended, in compliance with their specific capacity and range. For products longer covered by this warranty Key Automation shall provide repair services, charging the related costs to the Customer. In case of products that cannot be repaired, Key Automation shall, at its sole discretion, replace them, and charge related costs to the Customer.

8. COMPLAINTS AND RETURNED GOODS
No complaints are accepted after 8 days from the receipt of the goods. Any return of goods for credit must be authorised before and by Key Automation. Goods returns and shipment freight are of customer charge. Any communication has to be done to Key Automation headquarter.

9. CANCELLATION CLAUSE
If the customer fails to pay the total price of goods or even a part of it by the previously agreed expiration date specified in the invoice, Key Automation will be entitled to cancel the right of goods receipt by the customer, cancel the sale and moreover charge the customer with interests on arrears in equal measure to standard norms and not inferior to current bank interests. Key Automation is also entitled to cancel the sale at any moment by simply forwarding a written notice of cancellation to the customer without the involvement of any juridical court. Goods that have been delivered to customers but not paid completely should be given back to Key Automation on customer's charge. In order to do so, Key Automation and any other entitled third party or carrier are authorized to demand and retire unpaid goods from customer's facility. It is not am any kind of compensation possibility between possible credits claimed by customer and its debts with Key Automation, except if agreed by Key Automation with formal written agreement between the parts.

10. TRADEMARKS AND DISTINTIVE MARKS
The customer is aware of the fact that Key Automation products are subjected to both the know-how and design intellectual ownership right which is an exclusive industrial property of Key Automation. Customers shall not violate the rights of Key Automation by removing, covering or in any way changing trademarks, distinctive marks or labels and the like attached to products and shall not apply there on new trademarks, distinctive marks or labels and the like of any kind. Unless written authority is given by Key Automation to the contrary any form of reproduction use by the Customer of the Key Automation trademark, logos, emblems, symbols and the like attached to or applied on the products is forbidden.

11. RETENTION OF TITLE
Notwithstanding any other provision contained herein, it is acknowledged and agreed that ownership of the goods shall pass to the Customer only upon full payment of the total price; therefore until full payment (including interest) is received by Key Automation, the goods delivered - wherever they may be held and even if they have already been resold by the Customer - shall remain the sole and exclusive property of Key Automation. Any cheques, bills of Exchange and transfer of credit will count as payment only upon collection. In the event of non - payment, Key Automation shall be entitled to immediate repossess sold products wherever they may be located. The Customer shall disclose the names of any third purchasers of the products, from whom Key Automation shall be entitled to claim and collect them

12. ITALIAN LAW AND COMPETENT COURT
The place of jurisdiction for any dispute that may rise in relation to the performance of the contract is the Law Court of Treviso (Italy).

13. VARIOUS
At the time of signing the contract or order confirmation, the Customer accepts these general terms. Any modification to the general terms must be signed by Key Automation S.r.l. and stipulated in written form. For sales made in foreign countries, Italian law will be applied.
All information have been listed and carefully checked by Key Automation S.r.l., but the company decline any kind of responsibility for possible mistakes or omissions.

New Products concept and Design:
Nicola Michelin
Francesca Barbaresco
R&D Key Automation
Catalogue concept:
Marketing Key Automation
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